

Artesia

AP-8 Deluxe Upright Digital Piano



Owner's Manual

Welcome

We would like to express our appreciation and congratulate you for purchasing this Artesia Deluxe Upright Digital Piano. With proper care, this piano will provide you with years of musical enjoyment. Artesia's advanced state of the art electronics are combined with an elegant cabinet that adds beauty and sophistication to any home environment. Some of the features include:

- 128 Instrument Voices Including Stereo Grand Piano and Acoustic instrument voices offering unmatched realism
- Never Needs Tuning
- Digital effects to further enhance the instrument voices
- 100 Accompaniment Styles
- Artesia acclaimed stereo imaging
- Advanced Graded Hammer Action Keyboard
- Authentic Acoustic Piano Touch and Feel – Teacher Recommended!
- Sustain, Soft and Sostenuto pedals
- Record and Playback your Performance with Built-in 3 Track Recorder
You Can Even Record Practice Sessions
- SD Memory Card Plays Prerecorded Music – Play Hundreds of Optional Music Files Jazz, Pop, Classical, Rock, Country & More!
- Metronome feature with variable tempo to facilitate practice
- Built-In Music Teacher with Verbal and Screen Grading and 50 built in play-along songs
- Interface Your Computer with On-Board MIDI and USB ports
- Practice in Private with Headphones (optional)



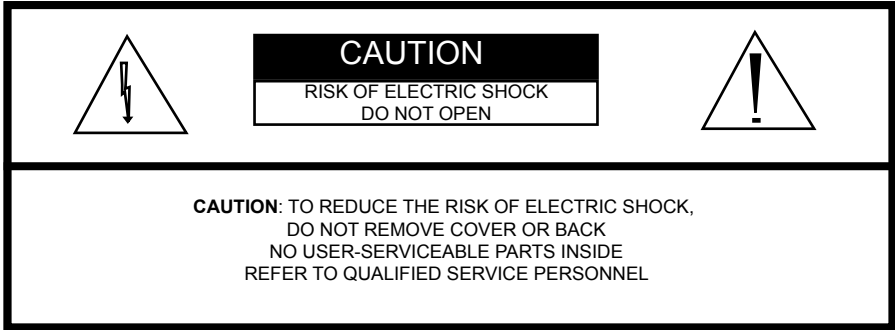
You will find more features and functions listed within this owners manual. In order to fully appreciate all the impressive features of this digital piano, please take a few minutes to read the following pages of instruction. General precautions, the function of each control button, and warranty information will be covered. Please save this manual for future reference.

GENERAL PRECAUTIONS

IMPORTANT SAFETY INSTRUCTIONS

When using electrical products, basic safety precautions should always be followed, including the following.

- The product should always be connected to a power supply only of the type described in the operating instructions or as marked on the product.
- The power supply cord of the product should be unplugged from the outlet when left unused for a long period of time.



RISK OF FIRE, ELECTRIC SHOCK OR INJURY

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated or dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance or servicing instructions.

FCC STATEMENTS


1 CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
2 NOTE: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a noncommercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Change the position or location of the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a different circuit.
- Consult the dealer or an experienced radio/TV technician for help.


IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS




CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN




WARNING
TO REDUCE THE RISK OF
FIRE OR ELECTRIC
SHOCK, DO NOT EXPOSE
THIS PRODUCT TO RAIN
OR MOISTURE.

AVIS : RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.






The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

Examples of Picture Symbols

	denotes that care should be taken. The example instructs the user to take care not to allow fingers to be trapped.
	denotes a prohibited operation. The example instructs that disassembly of the product is prohibited.
	denotes an operation that should be carried out. The example instructs the user to remove the power cord plug from the AC outlet.

Read all the instructions before using the product.

- 1) Read these instructions.

2) Keep these instructions.

3) Heed all warnings.

4) Follow all instructions.

5) Do not use this apparatus near water.

6) Clean only with dry cloth.

7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.

8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prongs are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

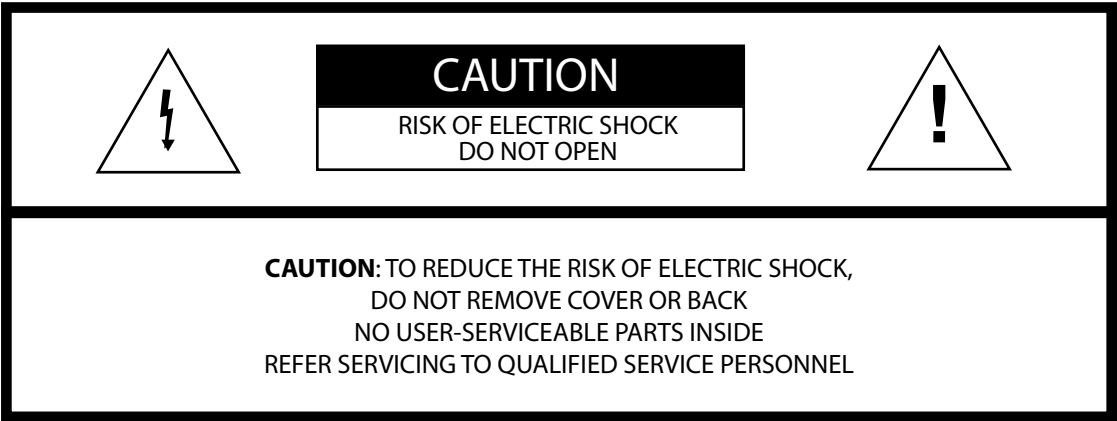
11) Only use attachments/accessories specified by the manufacturer.

12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.

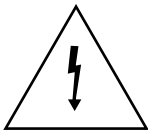
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
-

General Precautions



INSTRUCTIONS PERTAINING TO A RISK OF FIRE, ELECTRIC SHOCK OR INJURY:

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The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operation and maintenance or servicing instructions.



1. CAUTION: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
2. Note: This equipment has been tested and found to comply with the limit for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a noncommercial environment. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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TAKING CARE OF YOUR DIGITAL PIANO

This digital piano will supply you with years of musical enjoyment if you follow the simple rules listed below.

SERVICE AND MODIFICATION

Do not attempt to open the piano or make any change in the circuits or parts of the unit. This product should be serviced by qualified service personnel when;

- The power supply cord or the plug has been damaged,
- Liquid has been spattered into the unit or it has been exposed to rain,
- The instrument does not appear to operate normally or exhibits a marked change in performance.
- The instrument has been dropped or the cabinet has been damaged.

HANDLING AND TRANSPORT

- Never apply excessive force to the controls, connectors or other parts of the instrument.
- Always unplug cables by gripping the plug firmly, not by pulling on the cable.
- Disconnect all cables before moving the instrument.
- Physical shocks caused by dropping, bumping, or placing heavy objects on the instrument can result in scratches and/or more serious damage.
- Avoid placing vinyl objects on top of the instrument, vinyl can stick to and discolor the surface.

CLEANING

- Clean the cabinet and panel with a soft, nonabrasive, dry cloth. A wax based polish may be used on the cabinet. Do not use paint thinner or chemical based polishes.
- To maintain the luster of the keys and buttons wipe with a clean, slightly damp cloth, and then polish with a soft dry cloth.

LOCATION

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

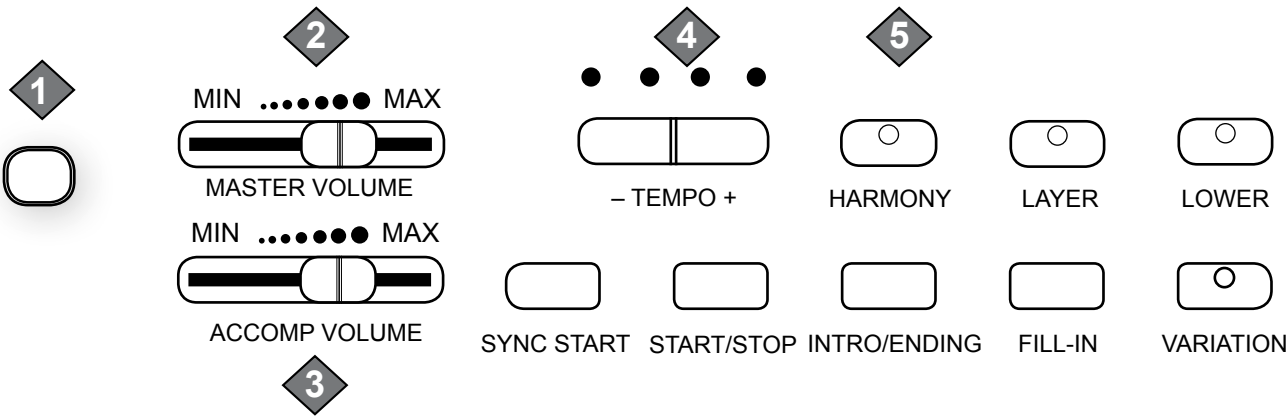
- Direct sunlight (near a window)
- High temperatures (near a heat source, outside, or near a window)
- Excessive humidity
- Excessive dust
- Strong vibration
- Leave enough space around the piano for it to be properly ventilated.
- This instrument contains digital circuitry and may cause interference if placed too close to radio or television receivers. If interference occurs, move the instrument further away from the affected equipment.

POWER

- Turn the power switch off when the instrument is not in use.
- To avoid damage, turn the power switches of all related devices off prior to connection or disconnection of MIDI cables.
- Turn the power off if the main cable is damaged or the instrument is spattered with liquid.
- Do not switch the unit on and off in quick succession, this places an undue load on the electronic components.
- Unplug the AC power cord during an electrical storm.
- Avoid plugging the AC power cord into the same outlet as appliances with high power consumption, such as electric heaters or refrigerators.
- Carefully check the amplifier volume control before starting to play. Excessive volume can cause permanent hearing loss.

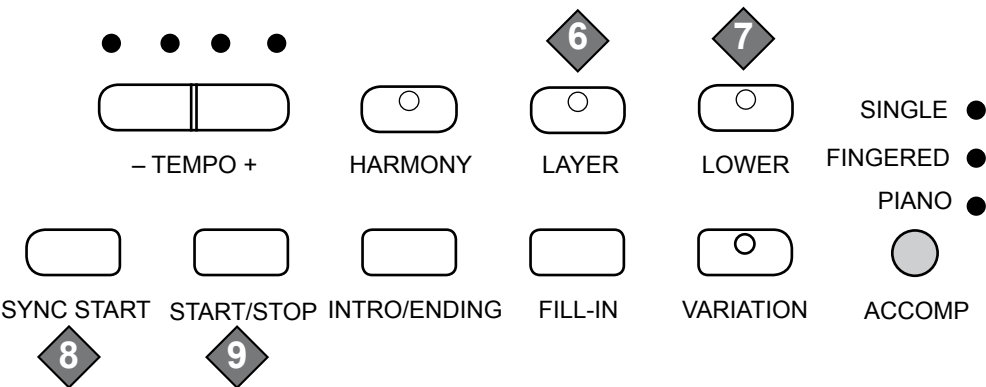
PANEL CONTROLS

The elegant control panel is divided into several distinct sections. The following is a brief description of all the features located on the control panel.



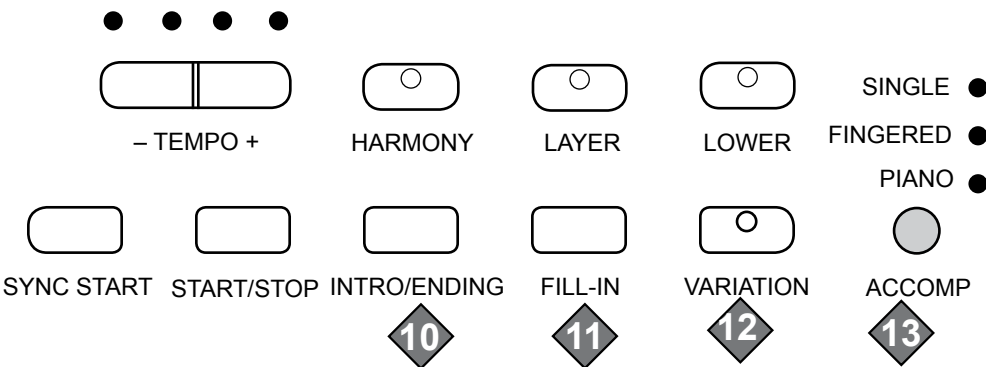
- 1 POWER SWITCH:** The power switch is located to the left of the keys. Press the button to turn the power on and off. The LCD screen and the indicator lights for the start up settings will light up when the power is turned on.
♫Please note, when you turn the power off, do not turn it back on immediately. Wait at least five seconds to turn the power back on so that the electronic circuits can properly reset.
- 2 MASTER VOLUME:** Use this sliding control button to adjust the overall volume of the keyboard.
- 3 ACCOMP VOLUME:** Slide this controller to adjust the volume of the auto accompaniment only, the keyboard instrument voice will not be affected. The accompaniment volume also controls the metronome volume.
- 4 TEMPO:** Press one of the TEMPO buttons, the current tempo value will appear on the display and the tempo menu will be accessed. Use the – TEMPO + buttons, to change the tempo value range from 40 to 240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default tempo setting for the selected rhythm style. After three seconds the display will revert to the currently selected main voice.
♫Please note, there is a four-dot beat indicator above the tempo buttons. It flashes in time to indicate the tempo and beat for the selected rhythm style. Please see the Rhythm section of the manual for more information.
- 5 HARMONY:** When harmony is selected, the single note played on the right-hand section of the keyboard will sound with additional auto harmony notes while the auto accompaniment is playing. The harmony type selection is assigned in the Function menu. Use it to select the type of harmony, Duet, Close Harmony, Open Harmony, or Octave. Please see the Function section for more information.

PANEL CONTROLS



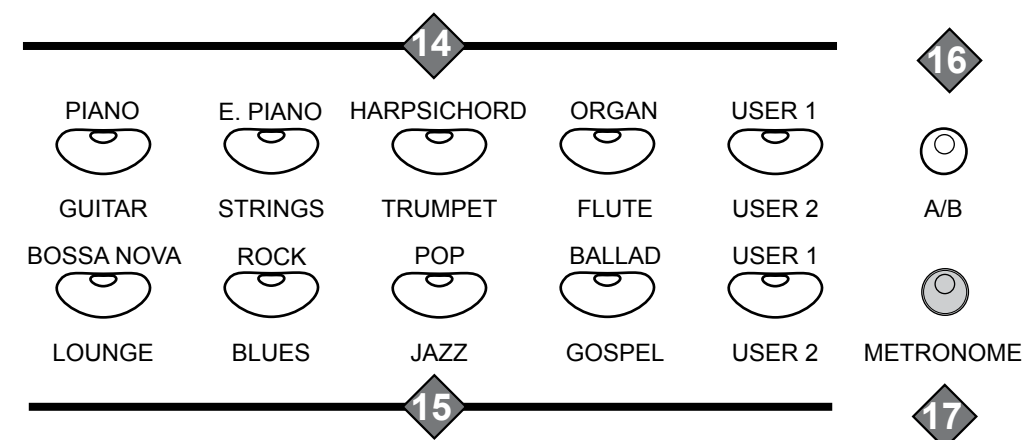
- 6 LAYER:** Pressing the LAYER button will put the keyboard in the layer, or dual, mode. Layer refers to an additional voice that is tone mixed with the main selected keyboard voice. The assigned layer voice will be heard with the original voice when the keys are played. To select a new layered instrument voice use the +/YES or –/NO buttons or the number pad within three seconds after the Layer button has been engaged.
- 7 LOWER:** With the lower feature engaged the keyboard operates in the split mode. In the split mode the keyboard is divided into two sections. In the right hand section the main or layered voice will sound, and in the left hand section a different voice can be assigned to sound when the keys are played. To select a new lower instrument voice use the +/YES or –/NO buttons or the numeric pad within three seconds after the LOWER button has been pressed.
- 8 SYNC START:** Synchronized Start mode sets the auto accompaniment into standby mode. When the SYNC START button is pressed the four indicator lights above the tempo buttons will flash together to the Tempo of the selected rhythm style. The rhythm style will start as soon as you play on the left hand side of the keyboard, if the auto accompaniment is not engaged. With auto accompaniment engaged the rhythm style and auto accompaniment will start with the first recognized chord played depending on which fingering mode is selected. Pressing the SYNC START button again will stop the auto accompaniment and put the keyboard back on standby mode.
- 9 START/STOP:** The START/STOP button immediately starts or stops the selected rhythm style. The auto accompaniment will start with the first recognized chord played depending on the fingering mode selected.

PANEL CONTROLS



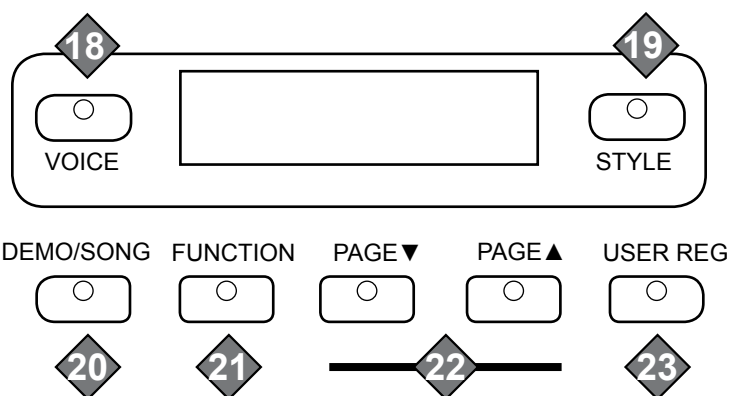
- 10 INTRO/ENDING:** Each of the 100 rhythm styles can be started or finished with a detailed introduction and/or ending pattern. When INTRO/ENDING is engaged, an introduction of rhythm pattern will sound followed by the main pattern. When a rhythm or accompaniment pattern is already playing, the accompaniment will be professionally completed with an ending pattern from the next measure by pressing the INTRO/ENDING button.
- 11 FILL IN:** The fill-in feature provides the accompaniment with a short rhythm pattern of one or two measures for each style. Press the FILL-IN button at any time while the accompaniment is playing to add a fill. If you hold down the FILL-IN button, the fill pattern will repeat until the button is released, and then the main pattern will resume from the beginning of the next measure. If you press the fill-in button during the ending pattern it will cancel the ending and return to the main accompaniment pattern.
- 12 VARIATION:** The 100 rhythm styles all include a variation of that style that can be heard simply by engaging the VARIATION button. Press the VARIATION button again to disengage the variation and return to the main pattern.
- 13 ACCOMP:** Each of the 100 rhythm styles has a fully orchestrated auto accompaniment pattern. These accompaniments are dedicated to the selected rhythm style, and will create rhythm, bass and chord accompaniments. The ACCOMP button selects the auto accompaniment mode. With this function engaged, the keys to the left side of the split point are the auto accompaniment section of the keyboard, while the keys to the right are available for normal playing. The auto accompaniment fingering modes are single, fingered, piano, and off. Press the ACCOMP button until the indicator LED that corresponds to the fingering mode you desire turns on. Please see the Auto Accompaniment section of this manual for more information.

PANEL CONTROLS



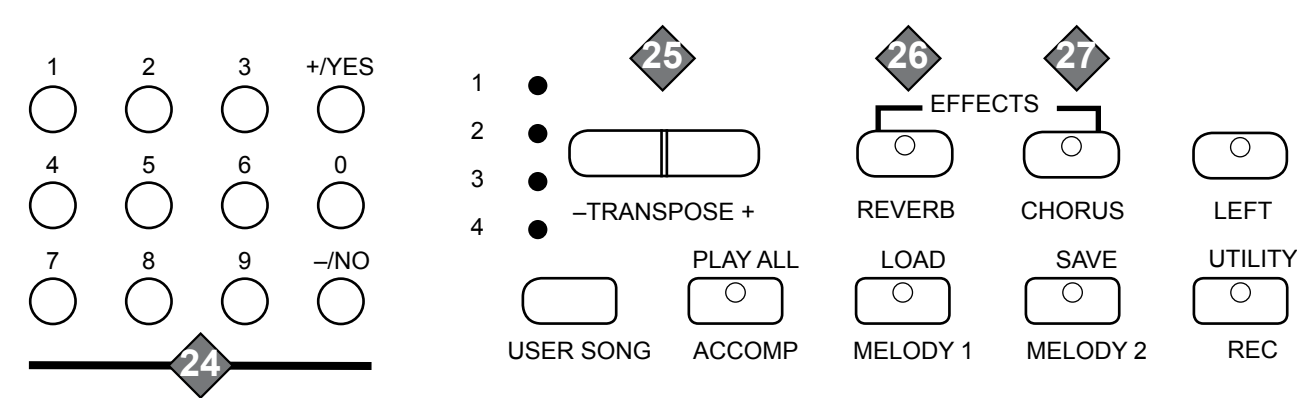
- 14 QUICK SELECT VOICE:** There are ten instrument voices that can be selected quickly by pressing one of the five quick select voice buttons. These voices are assigned to line A and line B, each line consists of five voices. The voice name in the line A is printed above the voice select button and the voice name on line B is beneath the button. Press the A/B button to select the line of your choice. When the indicator is on the bottom B line is active. The selected voice name and its number will be shown on the display. Please see the Keyboard Voices section of this manual for more information.
- 15 QUICK SELECT STYLE BUTTONS:** There are ten Rhythm Styles that can be selected quickly by pressing one of the five quick select rhythm style buttons. These rhythm styles are assigned to line A and line B, each line consists of five rhythm styles. The rhythm style name in the line A is printed above the style select button and the rhythm style name on line B is beneath the button. Press the A/B button to select the line of your choice. When the indicator is lit the bottom B line, is active. The selected rhythm name and its number will be shown on the display. Please see the Rhythm section of this manual for more information
- 16 A/B BUTTON:** The five quick select voice and five quick select rhythm style buttons are each assigned to a line A and line B. Press the A/B button to alternate between the two selection lines. The indicator will be lit when the bottom line, selection line B is active. There are a total of five quick select voice buttons, 4 preset and 1 user-defined, and five quick select rhythm style buttons, 4 preset and 1 user-defined.
- 17 METRONOME:** The METRONOME button toggles the metronome feature on and off and accesses the Metronome menu. Press the metronome button to hear the beat, the tempo lights will flash in time. Use the +/YES and the -/NO buttons within three seconds after the metronome has been engaged to select the beat of your choice; 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8. The tempo can be decreased or increased using the – TEMPO + buttons.

PANEL CONTROLS



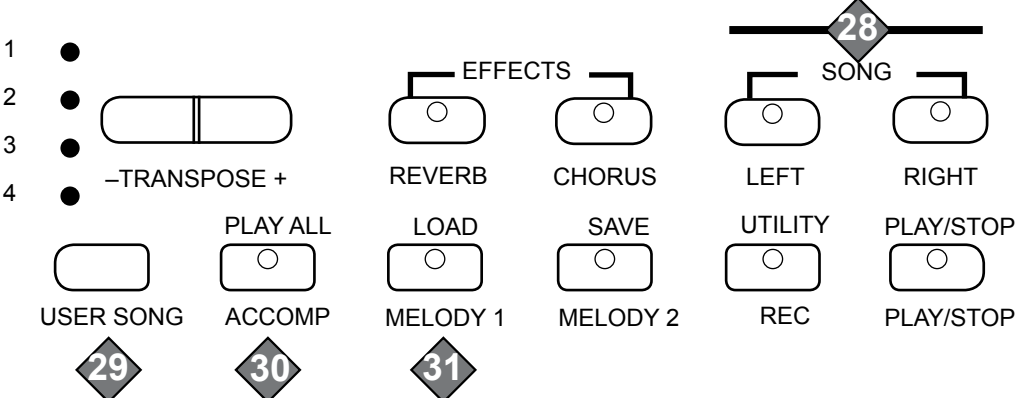
- 18 INSTRUMENT VOICE:** There are 128 GM (General MIDI) instrument voices, plus ten Asian folk instrument voices available for your playing enjoyment. Press the VOICE button to engage the voice select menu and use the number pads to select a voice. The voice name and its number will be shown on the display. There is a complete list of all 138 voices listed in the back of the manual. Please see the Keyboard Voices section of this manual for more information.
- 19 STYLE:** To engage one of the 100 rhythm styles, and the corresponding auto accompaniment, press the STYLE button to engage the style selection menu. Use the number pads to select a style, the style name and its number will be shown on the display. There is a complete list of all 100 rhythm accompaniment styles listed in the back of the manual. Please see the Rhythm section of this manual for more information.
- 20 DEMO/SONG:** The button has two functions. Press the DEMO/SONG button, the indicator turns on and the first of the thirteen different demonstration songs will play momentarily. There are also 50 play along songs built into this piano for the music teacher feature that can be played. Press the DEMO/SONG button again to turn the music teacher function on, the indicator will turn blue. Please see the Demo and the Play Along Songs sections of this manual for more information.
- 21 FUNCTION:** The FUNCTION button is used to access the function menu. The function menu can be used to adjust or change the parameters of a number of settings. Please see the Function section of this manual for more information.
- 22 PAGE:** The PAGE buttons, PAGE ▲ and PAGE ▼, are used to access the different menus within the Function feature.
- 23 USER REG:** Registration memory is used to store keyboard settings. There are four registration memory banks that can store and recall keyboard settings of voice, style and other parameters. Please see the Registration Memory section of the manual for more information.

PANEL CONTROLS



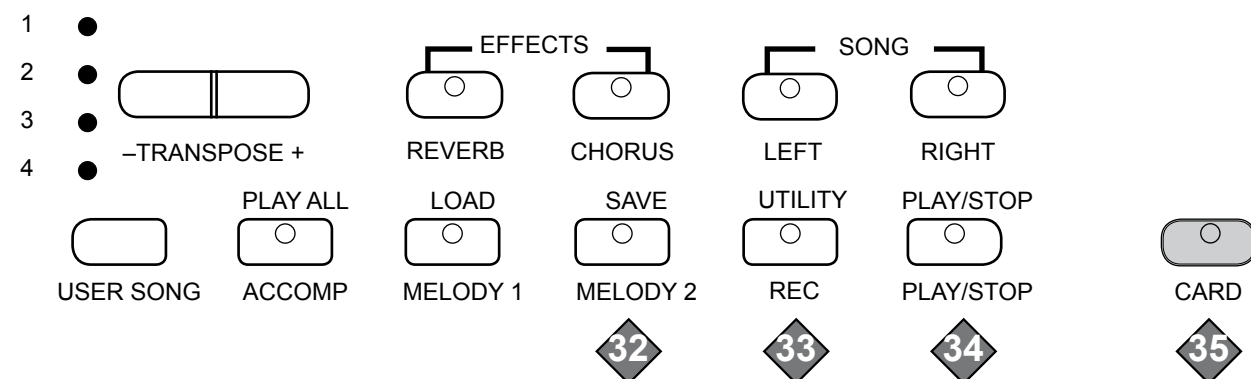
- 24 NUMERIC PAD:** Use the numeric pad to input numbers directly while using the voice, style or function settings or whenever numerical input is necessary. The +/YES and the -/NO buttons are also used to access or alter many of the features and settings on the piano.
- 25 TRANSPOSE:** The transpose feature can shift the pitch of the keyboard up or down in semitone intervals up to a maximum of 24 semitones. Press one of the TRANSPOSE buttons to access the transpose menu, the current transpose value will appear on the display. Use the – TRANSPOSE + buttons to set the transpose value range from –12, one octave lower, to 12, one octave higher. Press both the – TRANSPOSE + buttons simultaneously to recall the default value of 0. After three seconds the display will return to the currently selected instrument voice. Transpose does not affect notes that are currently playing, and transpose does not affect the keyboard percussion.
- 26 REVERB:** Reverb simulates the effect of playing in a big room or a hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the piano is turned on. Press the REVERB button to turn the reverb effect off and the indicator will go out. Switch the reverb feature on and off by pressing the REVERB button. The reverb setting does not affect the auto accompaniment. Reverb depth and reverb level can be changed in the function menu. Please see the Function Section of this manual for more information.
- 27 CHORUS:** The Chorus effect adds depth and spaciousness to the selected keyboard voice. Press the CHORUS button to engage the chorus effect and the indicator will light up. Press the button again to turn off the chorus effect. The chorus setting does not affect the auto accompaniment. Chorus depth and chorus level can be changed in the function menu. Please see the Function Section for more information.

PANEL CONTROLS



- 28 SONG LEFT, SONG RIGHT:** These buttons are used in conjunction with the play along songs music teacher. Play along songs allows the user to play along with the songs built in this piano, and grades the accuracy of the notes played. Please see the Play Along Song section of this manual for more information.
- 29 USER SONG:** This piano is able to record four songs, each with a 3-track sequencer. It will record all note events and the accompaniment patterns exactly as they are performed. This recorded information will not be lost when the power is turned off. The USER SONG button accesses one of the four available song banks for recording or playback and engages the record feature. Press the USER SONG button and then use the +/YES, -/NO buttons to select a song setting. If there is recorded information on any of the three tracks of the selected song bank the indicator lights of those track buttons will light up. Please see the Record section of this manual for more information.
- 30 ACCOMP/ PLAY ALL:** This button has two functions. With the record feature engaged the ACCOMP button is used to select the auto accompaniment track of a song for recording or playback. When the CARD button is engaged the PLAY ALL function of the SD card feature is accessed from this button. Use it to play all songs on the inserted SD card in sequence. Please refer to the Record section and the Card section.
- 31 MELODY 1/LOAD:** This button has two functions. With the record feature engaged this button assigns a melody track. There are two tracks for recording melody, assigned by the MELODY 1 and MELODY 2 buttons. When the CARD button is engaged the LOAD function of the SD card feature is accessed from this button. Use it to load a song from the inserted SD card. Please see the Record section and the Card section of this manual for more information.

PANEL CONTROLS



32 MELODY 2/ SAVE: This button has two functions. With the record feature engaged this button assigns a melody track. There are two tracks for recording melody, assigned by the MELODY 1 and MELODY 2 buttons.

When the CARD button is engaged the SAVE function of the SD card feature is accessed from this button. Use it to save a song from the piano to the inserted SD card.
Please refer to the Record section and the Card section.

33 REC: This button has two functions. When the record feature is engaged, the REC button is used to put the piano on recording standby. This unit is able to record four songs, each with a 3-track sequencer. This recorded information will not be lost when the power is turned off and can be saved to a SD card.

When the CARD button is engaged the UTILITY function of the SD card feature is accessed from this button. Use it to isolate, or solo a track, to mute a track or to delete a track from a song on the inserted SD card.

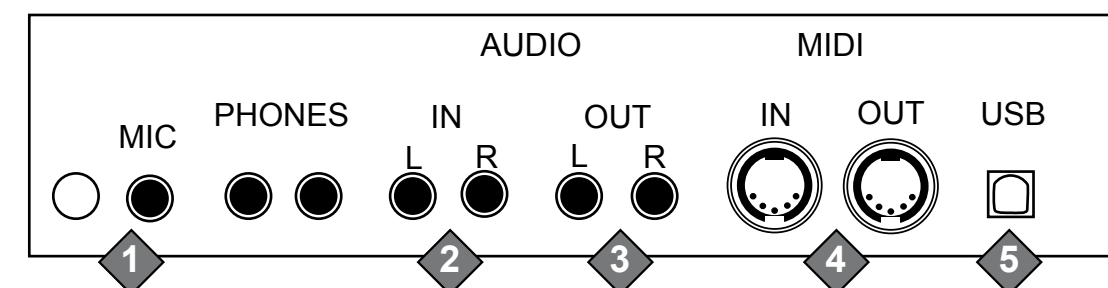
Please see the Record section and the Card section of this manual for more information.

34 PLAY/STOP: This button has two functions. With the record feature engaged press the PLAY/STOP button to hear selected tracks which you have recorded on the selected user song. Press the PLAY/STOP button again to stop the playback. When the CARD button is engaged this button is the PLAY/STOP feature of the SD card function. Use it to play or stop a song on the inserted SD card. Please see the Record section and the Card section of this manual for more information.

35 CARD: Press the CARD button to engage the SD memory card feature. The card feature allows you to load, save, play and delete song files and solo, mute or delete tracks on the inserted SD card.
Please see the Card section of this manual for more information.

CONNECTOR PANEL

This connector panel, with its various jacks, is located on the bottom left of the piano, under the key bed.



1 MIC: The Microphone Input is for use of the microphone.

2 PHONES (1 / 2): You can play in total silence, without disturbing others in the room, by plugging a set of headphones into one of the appropriate sockets. When headphones are plugged into either of these jacks the main speaker system is turned off. Two sets of headphones may be used simultaneously.

3 AUDIO IN (L+R): These stereo audio input jacks will amplify the supplied signal through the internal sound delivery system. They can be used to hook up items such as CD players, MP3 player or Cassette player.

4 AUDIO OUT (L+R): These stereo audio output jacks supplies the piano's output signal to external amplification, such as home stereo, PA system or other amplifiers.

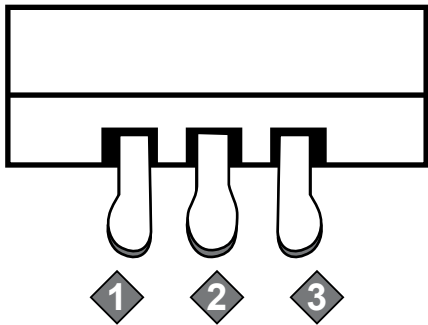
5 MIDI IN / MIDI OUT: This piano contains MIDI in and MIDI output ports. MIDI jacks allow communication with other products equipped with MIDI interfaces. Please see the MIDI section of this manual for further details.

6 USB: The USB connector allows you to connect the piano directly to your computer's USB port. This allows you to update your piano's software if necessary.

♪**Please note**, do not turn on the piano with the USB cable connected to the computer to avoid having to restart your computer. It can be connected without driver installation under the Windows and MAC environment. The piano will be recognized as USB audio device to receive and transmit MIDI messages.

PEDALS

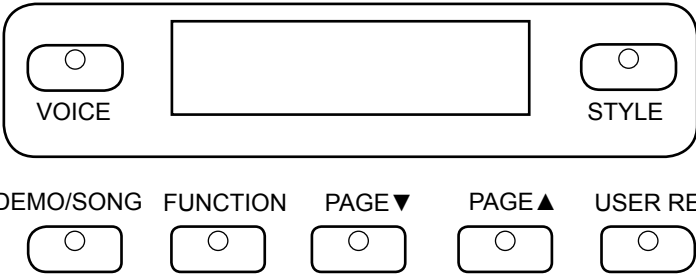
This piano is complete with three function pedals.



- 1 SOFT PEDAL:** When the left pedal is engaged the piano volume is reduced and the timbre slightly altered on the notes that are played.
- 2 SOSTENUTO PEDAL:** When the center pedal is engaged, the keys that are pressed and already sounding will continue to sustain and the notes will decay gradually after they are released. Keys that are played after the pedal has been pressed are not affected.
- 3 SUSTAIN PEDAL:** When the right pedal is engaged the piano keys will continue to sustain as they are played. Thereby the piano note will decay gradually as if you were continuing to hold down the piano keys.

DEMO

This piano has various demonstration, or demo, songs that are designed to showcase the different sampled voices that are available.



PLAY ALL DEMO SONGS

- 1** Press the SONG/DEMO button, the indicator light will turn on and the first demo song will play momentarily. "ALL- Demo songs" will appear on the display initially and will change to the demo song and number as the song plays. This piano has thirteen demo songs that will all play in sequence
- 2** Press the DEMO/SONG button again to stop the demonstration and enter the music teacher feature, or the START/STOP button on the left side of the keyboard to quit.

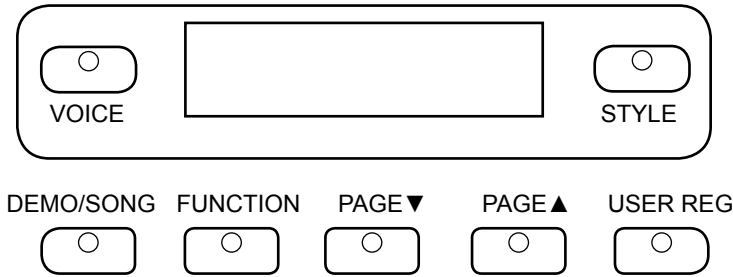


PLAY A SINGLE DEMO SONG

- 1** Press the SONG/DEMO button.
- 2** Use the +/YES or the -/NO buttons to change songs while the demo is playing, or enter a song number directly by using the numeric pad. After the song is finished the rest of the demo songs will play in sequence from that point.
- 3** Press the DEMO/SONG button again to stop the demonstration and enter the music teacher feature or the START/STOP button to quit



DEMO



PLAY ALONG SONGS DEMO

There are 50 songs for the play along song music teacher feature that can also be played back for demonstration.

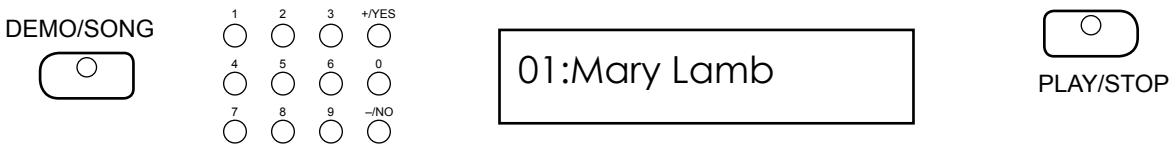
1 Press the DEMO/SONG button two times to enter the music teacher feature. The indicator light on the DEMO/SONG button will turn green and the display will show the first play along song.

2 Press the PLAY/STOP button one the right side of the keyboard to start the song.

3 Use the +/YES or the –/NO buttons to change songs while the demo is playing, or enter a song number directly by using the numeric pad.

4 Press the DEMO/SONG button again or the PLAY/STOP button to stop the play along song demonstration

Please see the Play Along Song section of the manual for more information.



KEYBOARD VOICES

This piano offers 128 GM (General MIDI) authentic acoustic instrument voices offering unmatched realism and ten Asian ethnic folk instrument voices plus digital effects to further enhance the sound. Please see the complete list of all 138 voices in the Voice List at the back of this manual.

VOICE SELECT

SELECTING ONE OF THE 138 VOICES

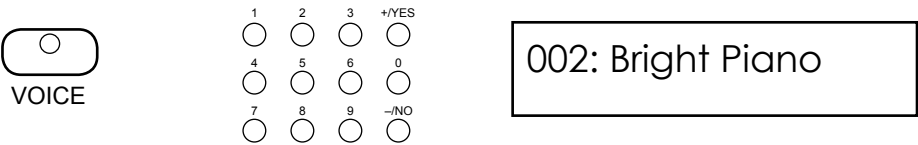


1 If not already selected, press the VOICE button to engage the voice selection mode, the indicator will turn on, and the screen will show the currently selected main voice

2 Use the numeric pad to directly enter a voice number or the +/YES, –/NO buttons to scroll through the voices. The newly selected voice name and number will be on the screen and the voice is selected for playing on the keyboard.

♫Please note, when using the numbers, you must enter three digits to select a voice number from 001-138. For example, to select voice No. 2 you must enter “002”. The voice name and its number will show on the display.

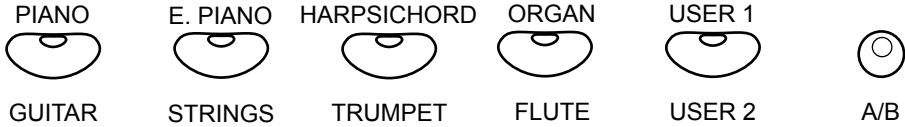
Please refer to the Voice List at the back of the manual for a list of all available voices.



KEYBOARD VOICES
QUICK SELECT VOICE BUTTONS

There are ten voices that can be selected quickly by pressing one of the five voice select buttons. These voices are assigned to Instrument Line A and Instrument Line B. Each line consists of five voices. The voice name in Line A is printed above the voice select button and the voice name in Line B is beneath the button.

1 Press the A/B button to select a voice line A or B. Selection of the voice lines will alternate when the



A/B button is pressed. The indicator will be lit when Line B is selected.

2 Press the voice select button that corresponds to the desired voice within the voice line you have selected. The voice name and its number will show on the display and the newly selected voice is available for playing.

Please note if a voice quick select button and a style quick select button are selected, pressing the A/B button will change both the voice and the style.



USER DEFINED QUICK SELECT BUTTON

You can assign two favorite voices to the voice quick select button.

1 Select a USER button USER 1 from line A or USER 2 from line B by pressing the A/B button. Line B is selected when the indicator is lit.

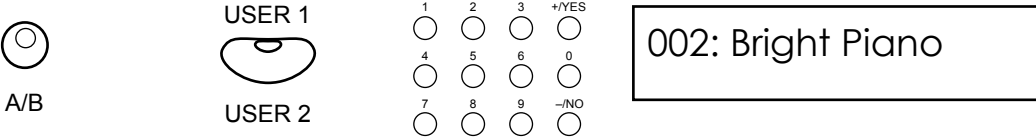
2. Press and hold the USER button until the indicator light is blinking, about 5 seconds, then release.

3. Select the voice by using the numeric pad to directly enter a voice number or the +/YES, -/NO buttons to scroll through the voices. The newly selected voice name and number will be on the screen.

Please note, when using the numbers, you must enter three digits to select a voice number from 001-138. For example, to select voice No. 2, you must enter "002". The voice name and its number will show on the display.

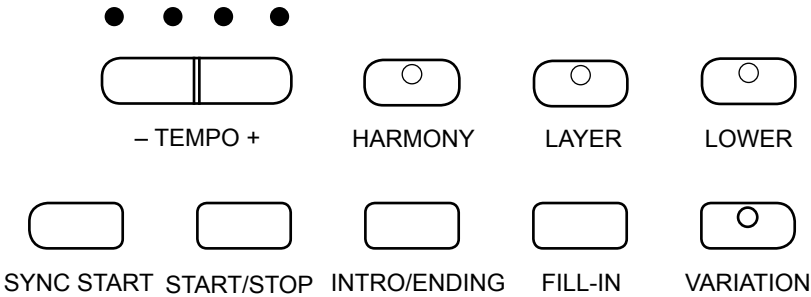
Please refer to the Voice List at the back of the manual for a list of all available voices

4. Press the blinking voice USER button. The currently selected voice will be assigned to this button and be available for quick selection.



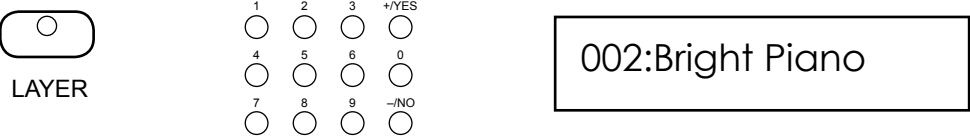
KEYBOARD VOICES
LAYER VOICE

Layer, or dual, refers to an additional voice that is tone mixed with the selected keyboard voice. The assigned layer voice will be heard with the original voice when the layer feature is engaged.



1 Press the LAYER button, the currently assigned layer voice will show on the display, and the indicator will light up.

2 Within 5 seconds while the indicator is lit, use the +/YES, -/NO buttons or the numeric pad to select the desired layer voice or use one of the quick select voice buttons. The display will show the layer voice number and name.



3 Press the LAYER button a second time and the current layer volume level will show on the display . While the layer volume screen is displayed, use the +/YES or the -/NO buttons to raise or lower the volume of the selected layer instrument voice from 00 - 24.



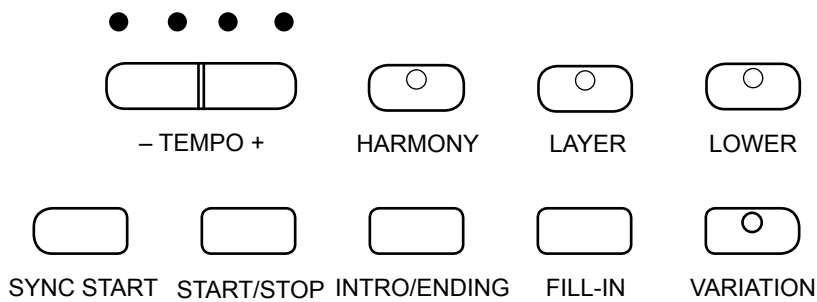
4 To turn the layer feature off press the LAYER button until the indicator goes out.

Please note, with no input, the screen will remain in the layer voice or the layer volume menu for five seconds, then the display will revert to the selected main voice and exit the layer select mode. If the LAYER button indicator is lit, the layer feature is engaged.

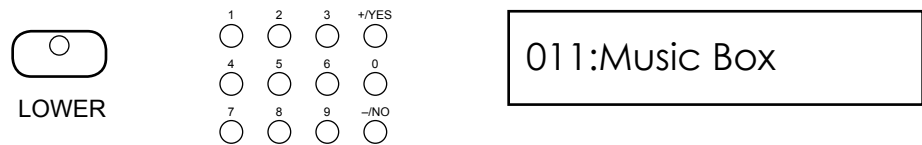
KEYBOARD VOICES

LOWER VOICE

In the lower, or split, mode the keyboard is divided into two sections. To the right of the split point the currently selected main voice or layered voices, will sound. The keys to the left of the split Point can be assigned to play a different instrument voice. The default split point for voice is the C3 key.



- 1 Press the LOWER button, the currently assigned lower voice will show on the display, and the indicator will light up.
- 2 While the indicator is lit, use the +/YES, -/NO buttons or the numeric pad to select the desired lower voice or use one of the quick select voice buttons. The display will show the lower voice number and name.



- 3 Press the LOWER button a second time and the current lower volume level will show on the display screen. While the lower volume screen is displayed, use the +/YES or the -/NO buttons to raise or lower the volume of the selected lower instrument voice from 00 - 24.



- 4 Press the LOWER button until the indicator goes out to turn the lower feature off.
- Please note**, with no input, the screen will remain in the lower voice menu or the lower volume menu for five seconds, after three seconds the display will revert to the selected main voice and exit the lower select mode. If the LOWER button indicator is let, the lower feature is engaged.

VOICE SPLIT POINT

The keyboard is split into two sections at the split point. The default lower voice split point is the C3 key. A different lower voice split point can be assigned in the Function menu. Please see the Function section of this manual for more information.

RHYTHM

RHYTHM STYLES

This piano offers 100 rhythm styles and a variation of each of those style patterns to choose from. The rhythm section of the keyboard is assigned by the auto accompaniment split point. The keys on the left of the split point are reserved for the auto accompaniment. The keys to the right are available for normal playing. Each rhythm style includes six patterns; an introduction, the main pattern, two fill-ins, a variation and an ending pattern. Please see the complete list of all 100 rhythm styles in the back of the manual.

SPLIT POINT FOR AUTO ACCOMPANIMENT

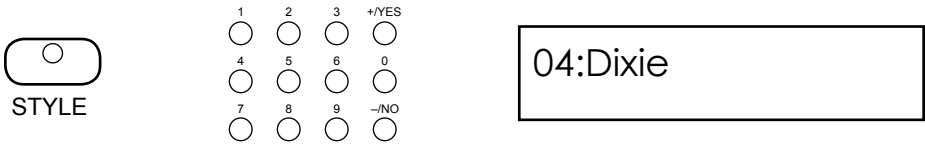
For auto accompaniment, the keyboard is split into two sections. The default split point is the G1 key. A different split point for auto accompaniment can be assigned in the Function menu. Please see the Function section of this manual for more information

RHYTHM STYLE SELECT



SELECTING ONE OF THE 100 RHYTHM STYLES

- 1 Press the STYLE button to engage the style selection mode, the indicator will light up.
 - 2 Use the numeric pad or the +/YES, -/NO buttons to select a style number while the indicator is lit. The newly selected style name and number will be on the screen and the style will be selected.
- Please note**, when using the number pads, you must enter two digits to select a style number from 00-99. For example, to select style No. 4 you must enter "04". The style name and its number will be shown on the display. Please refer to the Rhythm Style List at the back of the manual for a list of all available styles.

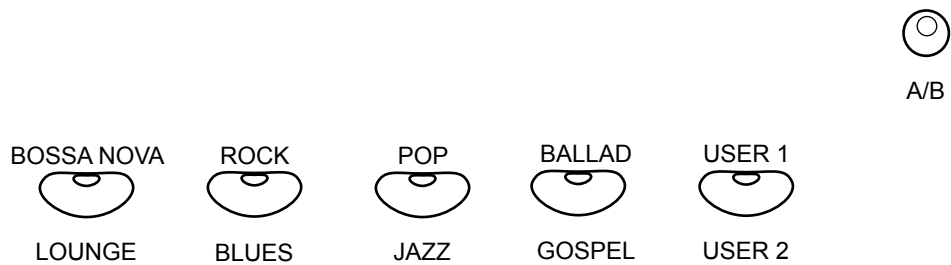


- 3 Press the STYLE button again to exit from the style select mode. The screen will revert to the selected main voice.

RHYTHM

QUICK SELECT RHYTHM STYLE BUTTONS

There are ten styles that can be selected quickly by pressing one of the five style select buttons. These styles are assigned to Line A and Line B. Each rhythm style line consists of five styles. The style name in Line A is printed above the style select button and the style name in Line B is beneath the button.

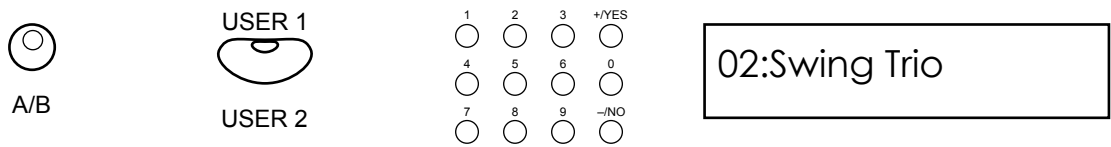


- 1 Press the A/B button to select a line. Selection of the lines will alternate when the A/B button is pressed. The indicator will be lit when Line B is selected.
 - 2 Press the rhythm style quick select button that corresponds to your desired style within the line you have selected. The rhythm style name and its number will show on the display and is available to be started.
- Please refer to starting and stopping the rhythm style.



USER DEFINED QUICK SELECT BUTTON

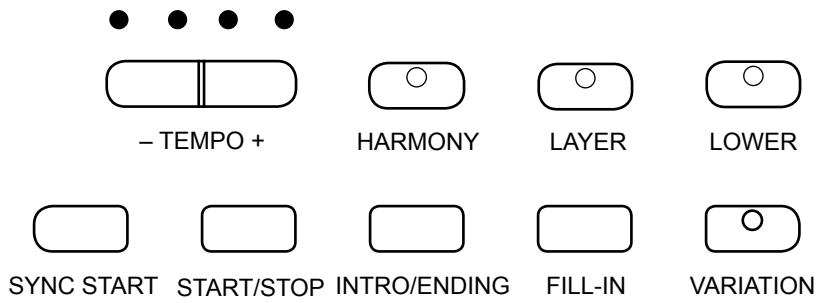
- You can assign two favorite rhythm styles to the rhythm style user defined quick select button.
- 1 Select a USER button, USER 1 from line A or USER 2 from line B, by pressing the A/B button. Line B is selected when the indicator is lit.
 - 2 Press and hold the USER button until the indicator light is blinking, about 5 seconds, then release.
 - 3. While the indicator is blinking select the favorite style by using the numeric pad to directly enter a style number or the +/YES, -/NO buttons to scroll through the styles. The newly selected style will be on the screen.
- Please note**, when using the numbers, you must enter two digits to select a style number from 00-99. For example, to select style No. 2 you must enter "02". The style name and its number will show on the display.
- Please refer to the Style List at the back of the manual for a list of all available voices
- 4. Press the blinking style USER button. The currently selected style will be assigned to this button to and be available for quick selection.



RHYTHM

USING THE RHYTHM STYLE

There are three ways to start the rhythm style; straight start, synchronized start, or starting with an introduction. You can stop your rhythm style with a finishing ending pattern.



STRAIGHT START

- 1 The START/STOP button starts the percussive rhythm immediately. Press the START/STOP button. The selected rhythm style will play.
- 2 Press the START/STOP button again to stop the rhythm style.



SYNCHRONIZED START

- Synchronized Start puts the accompaniment in the standby mode.
- 1 Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, showing that the synchronized start mode is ready. The rhythm style will start as soon as you play in the left hand section of the keyboard.
 - 2 Press the START/STOP or the SYNC START button again to stop the rhythm style. If the SYNC START button is used, the synchronized start mode will be put back on standby.

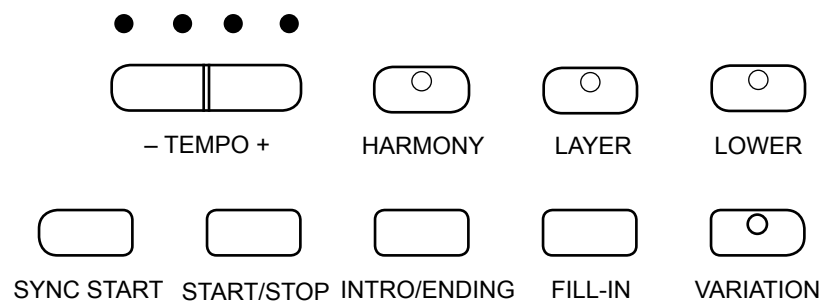


INTRODUCTION AND ENDING PATTERNS

- All of the 100 styles and their variations can be started with an appropriate introduction.
- 1 Press the INTRO/ENDING button, the rhythm of the introduction will start followed by the main pattern.
 - 2 Press the INTRO/ ENDING button after pressing the SYNC START button to add an introduction. The introduction will start followed by the rhythm style as soon as you play in the left hand section of the keyboard.
 - 3 Press the START/ STOP button to stop the accompaniment or press the INTRO/ENDING button again to stop with an ending pattern.

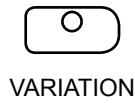


RHYTHM



VARIATION

- 1 Press the VARIATION button at any time to select the variation of any of the rhythm styles. The indicator will light up and the variation pattern will be selected. If the rhythm style is playing the variation will start at the beginning of the next measure.
- 2 Press the VARIATION button again, the indicator will turn off and the rhythm style will revert to the main pattern selected at the beginning of the next measure.



FILL IN

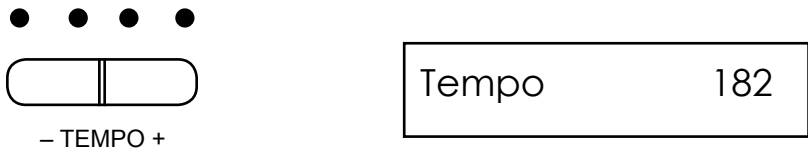
- The fill in feature will insert a short rhythmic pattern of one to two measures in length, depending on the rhythm style selected. There is a fill-in for both the main pattern and the variation.
- 1 Press the FILL-IN button at any time while the rhythm style is playing to add a fill.
 - 2 Press and hold down the FILL-IN button to extend the fill indefinitely. If you hold down the FILL-IN button, the fill pattern will repeat until the button is released, and then the main pattern will resume from the beginning of the next measure.
 - 3 Press the FILL IN button while an ending pattern is engaged if you want the selected rhythm style to re-sume after the ending pattern has completed.



ADJUSTING THE TEMPO

There is a four-beat indicator above the TEMPO buttons that flashes with the tempo and the beat for the rhythm style playing. Each style has its own preset tempo.

The tempo can be adjusted before or during rhythm style play by pressing either of the –TEMPO+ buttons. If you change rhythm styles during play, the tempo will keep the initial styles value, press the –TEMPO+ buttons simultaneously to set the tempo to the new styles default value.



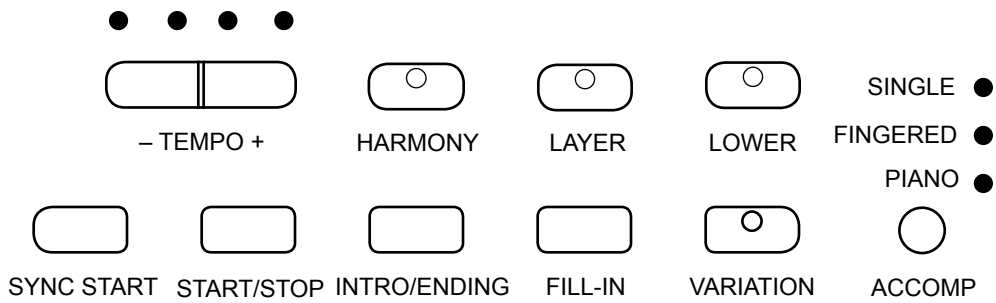
♫Please note, if the METRONOME button is engaged, the rhythm sound will not be heard. It will be replaced by the metronome tick.

AUTO ACCOMPANIMENT

AUTO ACCOMPANIMENT

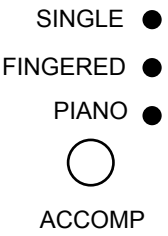
Each percussive rhythm style has its own auto accompaniment, dedicated to that style. These auto accompaniment patterns create fully orchestrated rhythm, bass and chord progressions based on the chords that you play with your left hand. The selected rhythm style determines the characteristics of the auto accompaniment. The accompaniment produced is perfectly matched to the selected rhythm style.

For auto accompaniment modes the keys are divided into two sections at the auto accompaniment split point. The keys to the left of this point are defined as the accompaniment section of the keyboard. The default key for auto accompaniment split point is the G2 key. The keys on the left of the split point are reserved for the auto accompaniment. The keys to the right are available for normal playing. A different split point for the auto accompaniment can be assigned in the Function menu. Please refer to the Auto A. Split point in the Function section of this manual.



SELECT THE AUTO ACCOMPANIMENT FINGERING MODE

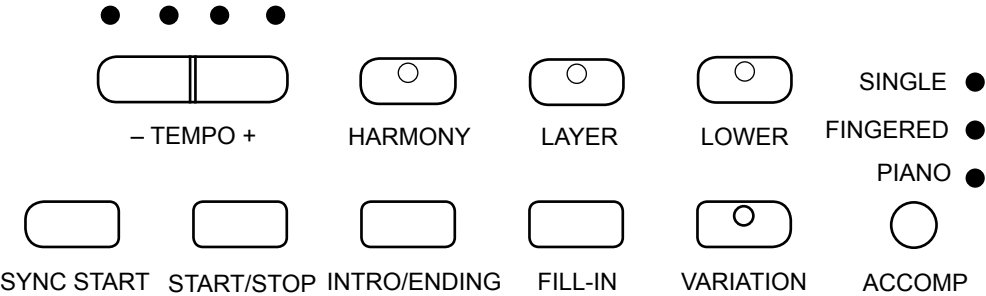
- The three auto accompaniment, or auto bass chord, fingering modes of this piano are: **single**, **fingered**, and **piano** as defined below.
- 1 Press the ACCOMP button until the indicator of the fingering mode that you desire is lit. Repeated pressing of the ACCOMP button will cycle through the three fingering modes and accompaniment off.



SPLIT POINT FOR AUTO ACCOMPANIMENT

For auto accompaniment, the keyboard is split into two sections. The default split point is the G2 key. A different split point for the auto accompaniment can be assigned in the Function menu. Please see the Function section of this manual for more information

AUTO ACCOMPANIMENT



SINGLE MODE

Single, or intelligent, fingering mode makes it simple to produce four types of orchestrated accompaniment chords using a minimum of fingers, while playing in the auto accompaniment section of the keyboard. In this mode, keys in the auto accompaniment section of the keyboard are used to produce major, seventh, minor, and minor-seventh chords, the keys are not available for normal playing. The auto accompaniment will start with the percussive rhythm as soon as a key in the auto accompaniment section is played. Please refer to Starting and Stopping the Auto Accompaniment.

- **Major Chord:** Press any key in the auto accompaniment section of the keyboard. The key you press determines the root note of the major chord.
- **Minor Chord:** Press the root key and any black key to its left in the auto accompaniment section of the keyboard simultaneously.
- **Seventh Chord:** Press the root key and any white key to its left (7th key) in the auto accompaniment section of the keyboard simultaneously.
- **Minor-Seventh Chord:** Press the root key and both a black key and a white to its left in the auto accompaniment section of the keyboard simultaneously.

FINGERED MODE

The fingered mode is ideal if you already know how to play chords on the keyboard. It allows you to play the chords in the auto accompaniment section of the keyboard that produce the selected auto accompaniment pattern. The auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard, the keys are not available for normal playing. Please refer to Starting and Stopping the Auto Accompaniment.

PIANO CHORD MODE

When the piano fingering chord mode is engaged you may enter chords anywhere on the keyboard, and the auto accompaniment will make complete styled arrangements based on those chords. You are not limited to the auto accompaniment section or the range of the split point. In this regard there is no keyboard split point function for the piano chord mode. All keys are available for normal playing, **Please note**, if a chord played cannot be recognized (fingered beyond the table), the previous chord will keep playing and an unrecognized chord cannot start the auto accompaniment. Please see the Auto Accompaniment Fingering Guide table at the back of this manual for a list of all the 32 playable chords of this mode.

AUTO ACCOMPANIMENT

USING THE AUTO ACCOMPANIMENT

The rhythm style and corresponding auto accompaniment can be started as a straight start or set for a synchronized start. An introduction can be added to either of these start options and an ending pattern can be used when stopping.

STRAIGHT START

- 1 Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
- 2 Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
- 3 Press the START/STOP button. The START/STOP button will start the rhythm style immediately for all fingering modes. Depending on the fingering mode selected the auto accompaniment will start as follows:
 - **Single:** Auto accompaniment will start as soon as a note is struck in the auto accompaniment section of the keyboard.
 - **Fingered:** Auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.
 - **Piano:** Auto accompaniment will start will as soon as a recognized chord is played in any section of the keyboard.
- 4 Press the START/STOP button again to stop the rhythm style and auto accompaniment.



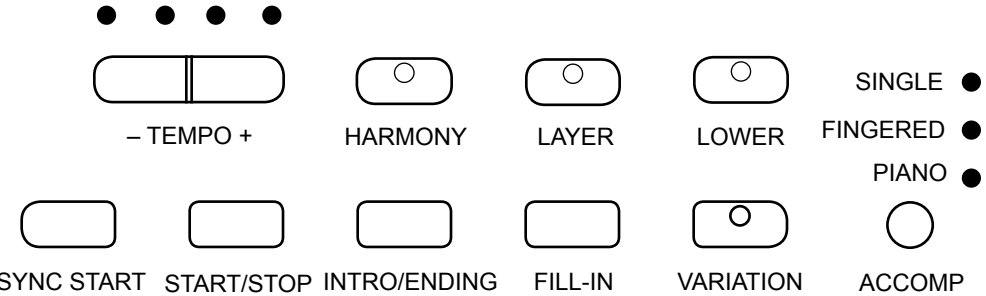
SYNCHRONIZED START

Synchronized Start mode puts the piano auto accompaniment on standby. It allows you to start the rhythm style and its auto accompaniment by playing on the keyboard. **1** Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles. **2** Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering. **3** Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, indicating that the synchronized start mode is engaged.. Depending on the fingering mode selected, the SYNC START button will start the rhythm and the auto accompaniment as follows:

- **Single:** The rhythm style and auto accompaniment will start as soon as a note is struck in the auto accompaniment section of the keyboard.
 - **Fingered:** The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.
 - **Piano:** The rhythm style and auto accompaniment will start will as soon as a recognized chord is played in any section of the keyboard.
- 4 Press the START/STOP button to stop the rhythm style and auto accompaniment.



AUTO ACCOMPANIMENT



INTRODUCTION AND ENDING PATTERNS

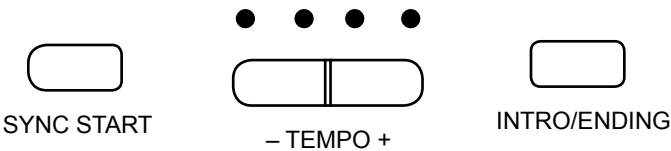
All of the auto accompaniments can be started with an appropriate introduction and stopped with a finishing ending

- 1 Select a rhythm style. Please refer to Select One of the 100 Rhythm Styles.
- 2 Select a fingering mode. Please refer to Select the Auto Accompaniment Fingering.
- 3 Press the SYNC START button, the beat indicator dots above the TEMPO buttons will blink at the current tempo, indicating that the synchronized start mode is engaged.
Please note, to hear the auto accompaniment introduction the SYNC START button must be used, otherwise the rhythm style introduction will begin immediately and the auto accompaniment introduction will not sound.
- 4 Press the INTRO/ENDING button. Depending on the fingering mode selected, the SYNC START button will start the rhythm and the auto accompaniment with an appropriate introduction as follows:

- **Single:** The rhythm style and auto accompaniment with introduction will start as soon as a note is struck in the auto accompaniment section of the keyboard.
- **Fingered:** The rhythm style and auto accompaniment will start as soon as a recognized chord is played in the auto accompaniment section of the keyboard.
- **Piano:** The rhythm style and auto accompaniment will start will as soon as a recognized chord is played in any section of the keyboard.

- 4 Press the START/STOP button to stop the rhythm style and auto accompaniment. Or press the INTRO/ENDING button again to stop the auto accompaniment with a finishing ending pattern. The ending pattern can be engaged any time an auto accompaniment is playing, whether or not it was started with an introduction.
- 5 Press the FILL IN button while the ending pattern is playing and the piano will cancel the ending and return to the auto accompaniment.

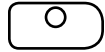
Please also note, if a chord played cannot be recognized (fingered beyond the table), the previous chord will keep playing and an unrecognized chord cannot start the auto accompaniment.



AUTO ACCOMPANIMENT

VARIATION

- 1 Press the VARIATION button at any time to select the variation of any of the auto accompaniments. The indicator will light up and the variation pattern will be selected. If the auto accompaniment is playing the variation will start at the beginning of the next measure. Please refer to the Starting and Stopping the Auto Accompaniment.
- 2 Press the VARIATION button again, the indicator will turn off and the auto accompaniment will revert to the main auto accompaniment pattern selected.



VARIATION

FILL-IN

The fill feature will insert a short rhythmic pattern of one to two measures in length, depending on the auto accompaniment selected. There is a fill-in for both the main pattern and the variation.

- 1 Press the FILL-IN button at any time while the accompaniment is playing to add a fill.
- 2 Press and hold down the FILL-IN button to extend the fill indefinitely. If you hold down the FILL-IN button, the fill pattern will repeat until the button is released, and then the main pattern will resume from the beginning of the next measure.
- 3 Press the FILL IN button while an ending pattern is engaged if you want the selected auto accompaniment to resume after the ending pattern has completed.



FILL-IN

AUTO HARMONY

With the harmony feature engaged, a single note on the right-hand section of the keyboard will sound with additional auto harmony notes. The note played in the right-hand section of the keyboard determines the root key of the harmony. It is recommended that only one note be played at a time. If more than one note is played only the highest note will add harmony. **Please note**, auto harmony is only available when auto accompaniment is playing.

- 1 Press the HARMONY button to toggle the harmony feature on and off. There are four harmony types that can be selected. The harmony type selection is assigned in the Function menu. Please see the Function section for more information.

- **Duet:** Duet adds a harmonizing note sounding below the single right hand note that you supply, when the chord accompaniment is playing.
- **Close Harmony:** Close Harmony adds two harmonizing notes sounding below the single right hand melody note that you supply, when the auto accompaniment is playing
- **Open Harmony:** Open Harmony adds several harmonizing notes sounding below the single right hand melody note that you supply, when the auto accompaniment is playing.
- **Octave:** Octave adds a note one octave below the single right hand melody note that you supply, when the auto accompaniment is playing



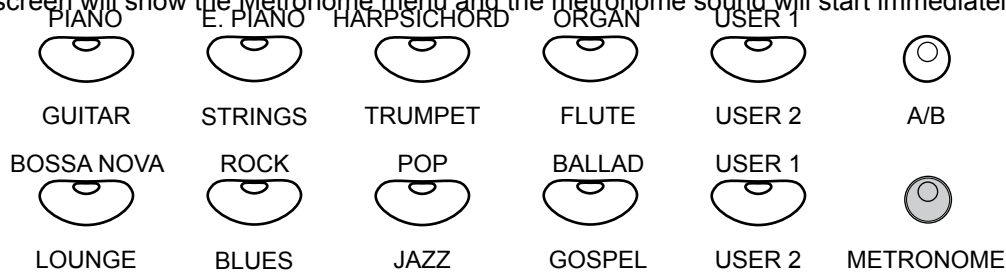
HARMONY

AUTO ACCOMPANIMENT

METRONOME

The built in metronome is a timing device. It is used as reference to aid with practice or performance.

1 Press the METRONOME button to engage the metronome feature. The button's LED Indicator will turn on, the display screen will show the Metronome menu and the metronome sound will start immediately.



2 While the screen is showing the metronome menu, use the +/YES and the –/NO buttons to set the beat pattern or time signature. The time signature can be set to 1/4, 2/4, 3/4, 4/4, 5/4, 6/4, 6/8 or 12/8.

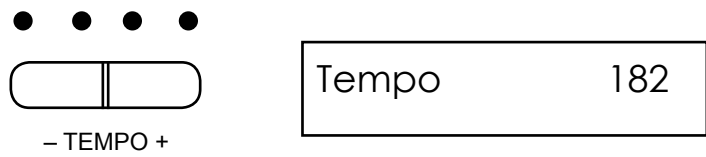
3 Press the metronome button again to turn off the metronome.

⚠Please note, if the METRONOME button is engaged, the rhythm sound will not be heard. It will be replaced by the metronome tick.



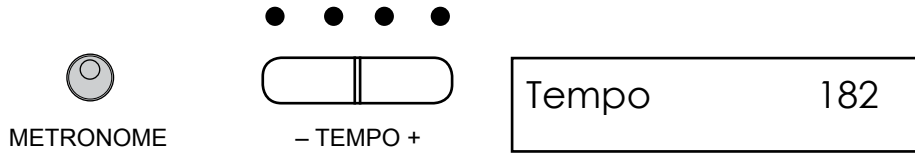
ADJUSTING THE TEMPO

There is a four-beat indicator above the TEMPO buttons that indicates the tempo and the beat for the accompaniment playing. Each style has its own preset tempo. The tempo can be adjusted before or during the auto accompaniment by pressing the either of the –TEMPO+ buttons. When you change the style before you play, the tempo will be set to that default value. If you change style during play, the tempo will keep the initial styles value, press the – TEMPO + buttons simultaneously to set the tempo to the new styles default value.



The tempo of the metronome time signature can be adjusted, use the – TEMPO + buttons to adjust the tempo from 40–240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default setting of 180 bpm. Adjusting the metronome tempo may also affect the rhythm style tempo.

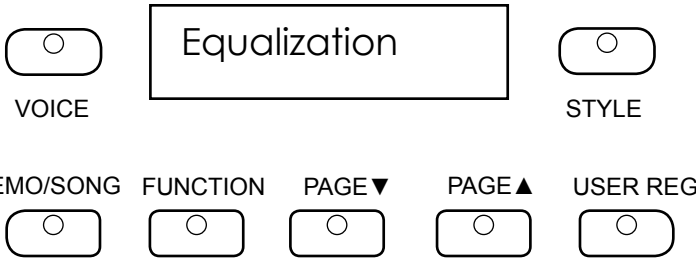
After three seconds without input the screen will exit the metronome menu and revert to the currently selected main voice.



FUNCTION

The Function menu is used to set up or to adjust various parameters related to the operation of this keyboard. With the FUNCTION button engaged you may access the sub-menus for the following:

- Equalization
- Reverb Type
- Reverb Level
- Chorus Type
- Chorus Level
- Touch
- Split Point (Voice)
- Auto A. Split (Point)
- Master Tune
- Drum Kit (Selection)
- Harmony Type
- Local
- Vocal Grade
- Reset



USING THE FUNCTION MENU

1 Press the FUNCTION button. The first menu item that can be manipulated, Equalization, will appear on the display.

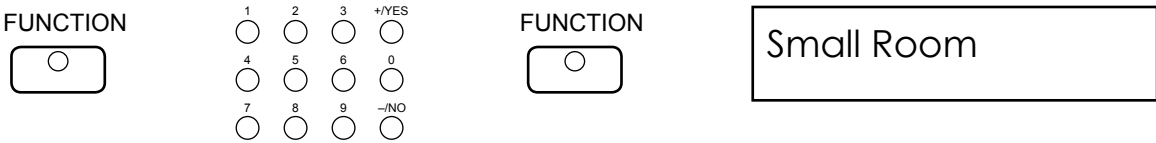
2 Press the PAGE ▲ or the PAGE ▼ buttons until the menu you wish to access appears on the display screen.



3 Press the +/YES button to show the current parameter for your selected function.

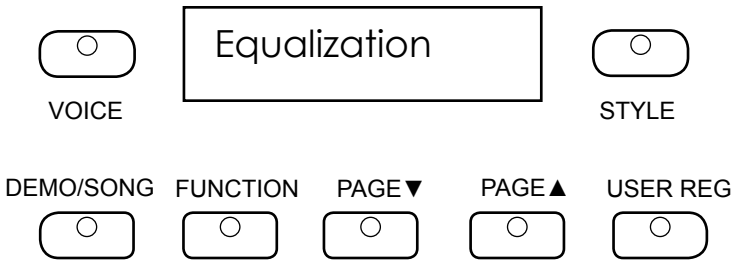
4 Use the number pad or the +/YES, –/NO buttons to set a new parameter. Pressing the +/YES and the –/NO buttons simultaneously will recall the default setting.

5 Press the FUNCTION button again to exit this mode and confirm your selection.



⚠Please note, after pressing the Function button the indicator will turn on and the Function menu will be accessed. The first press of the +/YES button will enter the sub-menu of the main Function menu. Subsequent pressing of the +/YES button will scroll through the sub-menu options. The option will not be selected until the Function button is pressed again and the indicator turns off.

FUNCTION



EQUALIZATION

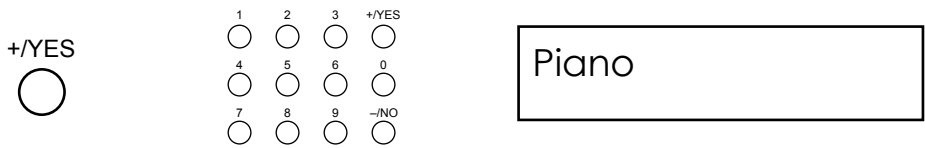
Equalization is the process commonly used to alter the frequency response of an audio system using linear filters. In effect, this menu adjusts the level of particular frequencies. The Equalization function will adjust the global “tone” of the internal sound output of the piano. The piano has programed predefined optimal settings for the various options. Select the Equalization in the Function menu.

- Piano
- Bright
- Bright middle
- Middle boost
- Bass middle
- Bass boost
- Flat
- Classical
- Jazz
- Pop
- Rock

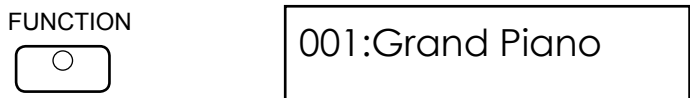
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Equalization” menu appears.



- 3 Press the +/YES button to access the Equalization menu and the current setting will be shown.
- 4 Use the +/YES and the –/NO buttons to choose an option from the list below. Press the +/YES, –/NO buttons simultaneously to recover the default setting.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



FUNCTION

REVERB TYPE

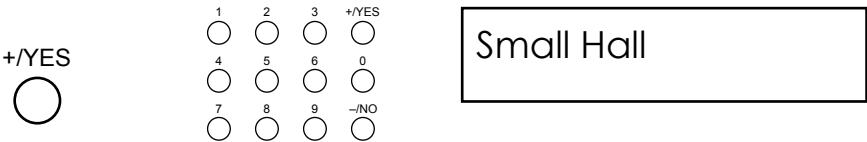
Reverb is an effect whereby the sound produced by the piano is made to reverberate slightly. It simulates the effect of playing in a big room or hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the piano is turned on. You can switch the reverb feature on and off by pressing the REVERB button. Select the Reverb Type from the Function menu.

- Small Room
- Room
- Small Hall
- Large Hall
- Plate Reverb
- Church
- Cathedral
- Gated Reverb
- Echo
- 3/4 Echo
- 4/4 Echo
- Triplet Echo

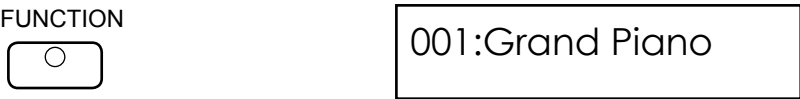
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Reverb Type” menu appears.
- 3 Press the +/YES button to access the Reverb Type menu and the current setting will be shown.



- 4 Use the +/YES and the –/NO buttons to choose a Reverb Type option from the list below. Press the +/YES, –/NO buttons simultaneously to recover the default setting.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



♫Please note, opening this menu will turn the reverb effect on.

FUNCTION

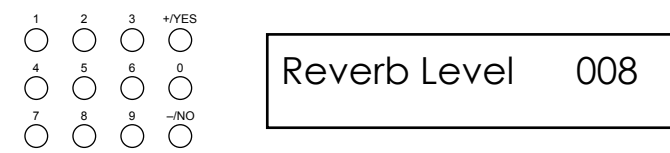
REVERB LEVEL

Reverb is an effect whereby the sound produced by the piano is made to reverberate slightly. It simulates the effect of playing in a big room or hall where the sound reverberates off the walls and ceiling. The reverb effect is engaged automatically when the piano is turned on. You can switch the reverb feature on and off by pressing the REVERB button. Select the Reverb Level from the Function menu.

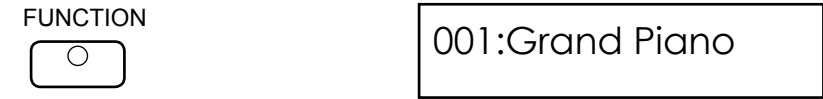
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Reverb Level” menu appears.
- 3 Press the +/YES button to access the Reverb Level menu and the current reverb level will be shown.



4 Use the +/YES and the –/NO buttons to choose a Reverb Level between 001-127. Use the +/YES button to increase the level or the –/NO buttons to decrease the level. The number pad can also be used to directly enter a value ranged from 001-127. Press the +/YES, –/NO buttons simultaneously to recover the default setting of 008.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



FUNCTION

CHORUS TYPE

In music, a chorus effect occurs when individual sounds with roughly the same timbre and nearly (but never exactly) the same pitch converge and are perceived as one. The Chorus effect enriches your selected instrument voice by adding depth and texture. Press the CHORUS button to engage the chorus effect, the indicator will light up. Select the Chorus Type in the Function menu.

- Chorus Light
- Chorus Medium
- Chorus Deep
- Resonant Chorus
- Flange
- Flange Deep
- Phaser
- Tremolo Slow
- Tremolo Medium
- Tremolo Fast

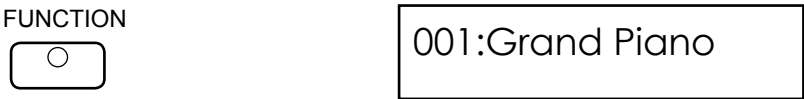
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Chorus Type” menu appears.
- 3 Press the +/YES button to access the Chorus Type menu and the current setting will be shown.



4 Use the +/YES and the –/NO buttons to choose a Chorus Type option from the list below. Press the +/YES, –/NO buttons simultaneously to recover the default setting.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.

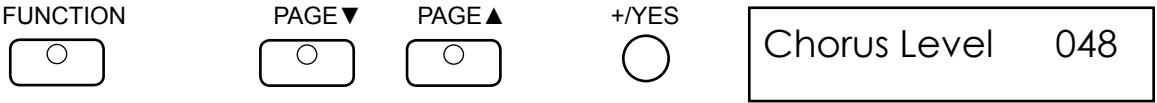


FUNCTION

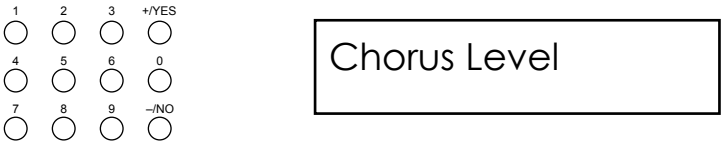
CHORUS LEVEL

In music, a chorus effect occurs when individual sounds with roughly the same timbre and nearly (but never exactly) the same pitch converge and are perceived as one. The Chorus effect enriches your selected instrument voice by adding depth and texture. Press the CHORUS button to engage the chorus effect, the indicator will light up.
Adjust the Chorus Level in the Function menu.

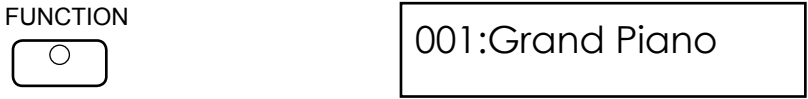
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Chorus Level” menu appears.
- 3 Press the +/YES button to access the Chorus Level menu and the current chorus level will be shown.



4 Use the +/YES and the –/NO buttons to choose an Chorus Level between 001-127. Use the +/YES button to increase the level or the –/NO buttons to decrease the level. The number pad can also be used to directly enter a value ranged from 001-127. Press the +/YES, –/NO buttons simultaneously to recover the default setting of 048.



5 Press the FUNCTION button again to set the option and exit the function setting mode.



🎹Please note, opening this menu will turn the chorus effect on.

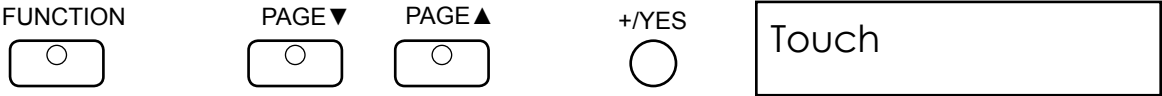
FUNCTION

TOUCH

The piano offers four types of keyboard touch sensitivity settings. These are also known as velocity settings and are designed to suit your style of playing. The normal setting is selected automatically when the piano is turned on.
The touch response can be changed in the Function menu.

- **Soft** is the most sensitive keyboard response which permits maximum sound levels with a light touch.
- **Normal** is an intermediate response suitable for most styles of music. Normal is the default setting.
- **Hard** is a less sensitive keyboard response which requires a heavier touch to obtain maximum sound levels.
- **Fixed** does not offer any touch sensitivity. Each key plays at full volume no matter how hard the piano key is hit. It is commonly used on Harpsichord and Organ voices

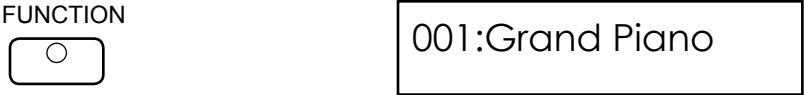
- 1 Press the FUNCTION button
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Touch” menu appears.
- 3 Press the +/YES button to access the Touch menu and the current setting will be shown. .



4 Use the +/YES and the –/NO buttons to choose a Touch option from the list below. Press the +/YES, –/NO buttons simultaneously to recover the default setting.



5 Press the FUNCTION button again to set the option and exit the function setting mode.

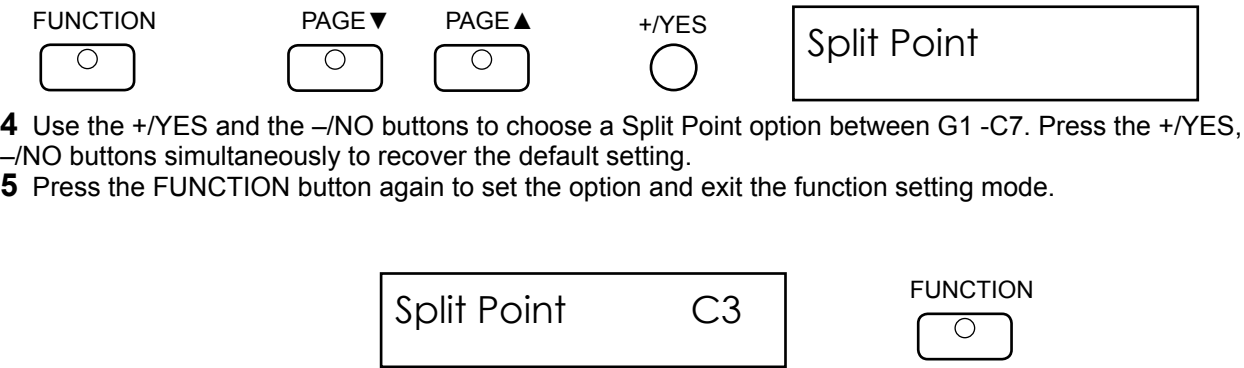


FUNCTION

SPLIT POINT (FOR LOWER VOICE)

When the lower mode is engaged the keyboard is divided into two parts at the split point. In the left hand section a different instrument voice can be assigned, the lower voice. The default split point of C3 for the lower section can be changed in the Function menu.

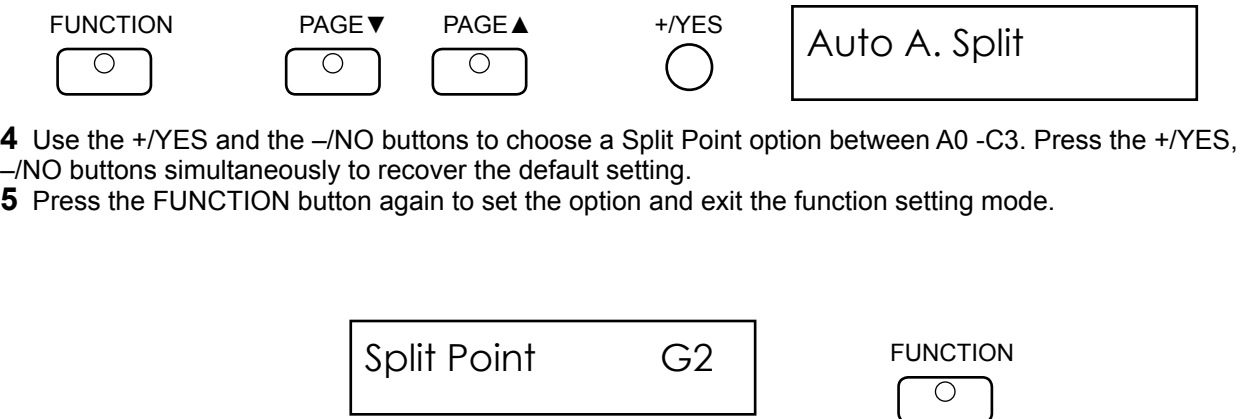
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Split Point” menu appears.
- 3 Press the +/YES button to access the Split Point menu and the current setting will be shown.



SPLIT POINT FOR AUTO ACCOMPANIMENT

For the auto accompaniment the keyboard is split into two sections at the default split point G2 key. A different split point for the auto accompaniment can be assigned in the Function menu.

- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Auto A. Split” menu appears.
- 3 Press the +/YES button to access the Auto A. Split menu and the current setting will be shown.

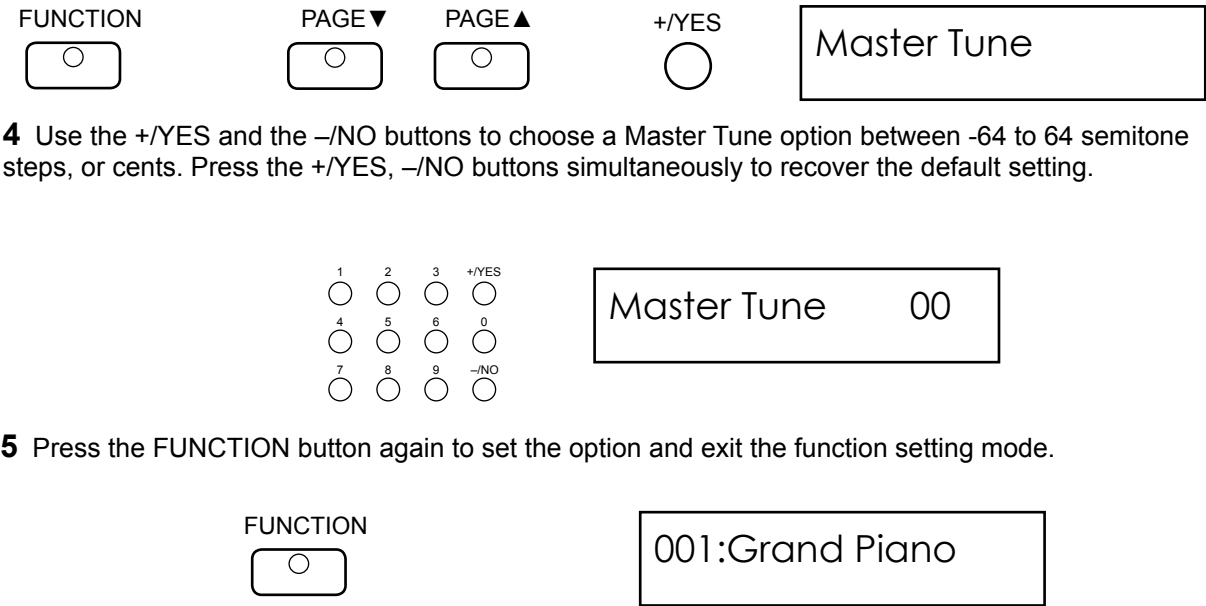


FUNCTION

MASTER TUNE

The pitch of this piano is very accurate and stable; it is automatically set to standard A440 pitch when the piano is turned on. If necessary, you can alter the piano pitch, the tuning feature makes it possible to tune the pitch of the instrument in fine intervals. Tuning can be accomplished in the Function menu.

- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Master Tune” menu appears.
- 3 Press the +/YES button to access the Master Tune menu and the current setting will be shown.



FUNCTION

DRUM KIT (KEYBOARD PERCUSSION SELECTION)

In the Keyboard Percussion mode, the entire keyboard will play the percussion voices from the selected Drum Kit. The default setting is off, and there are ten drum kits that can be assigned. Kit 10 is a sound effects kit. Please see the Drum Kit List at the end of this manual for a complete listing. Turn the Keyboard Percussion mode on by selecting a Drum Kit in the Function menu.

- Percussion Off
 - KYBD PERC 01
 - KYBD PERC 02
 - KYBD PERC 03
- KYBD PERC 04
 - KYBD PERC 05
 - KYBD PERC 06
 - KYBD PERC 07
- KYBD PERC 08
 - KYBD PERC 09
 - KYBD PERC 10

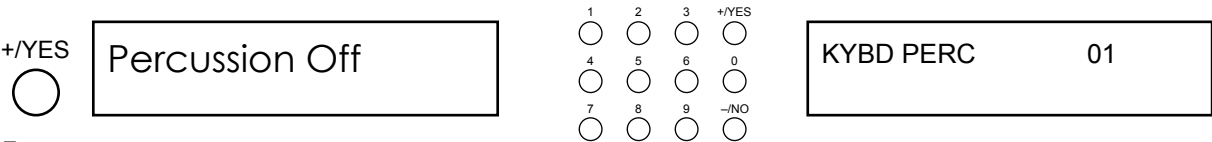
- 1 Press the FUNCTION button.

2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Drum Kit” menu appears.

3 Press the +/YES button to access the Drum Kit menu and the current setting will be shown.



4 Use the +/YES and the –/NO buttons to choose a Drum Kit option from the list below. The default setting for the piano is Percussion Off. With the Percussion mode selected, press the +/YES, –/NO buttons simultaneously for the default KYBD PERC 01..



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



♫Please note, if the Percussion mode is on, the piano keys will not be available for normal playing, the display will show "Percussion On". Use the Drum Kit sub-menu from the Function menu to turn the Percussion mode off and return the piano to the currently selected main voice.

♫Please also note, pressing the –/NO button when KYBD PERC 01 is selected will return the piano to regular Voice mode, and display the last selected voice. Pressing the +/YES button when KYBD PERC 10 is selected will return the piano to regular Voice mode and display “Percussion OFF” until another kit is selected or the Function menu is exited.

FUNCTION

HARMONY TYPE

When harmony is selected, a single note on the right-hand section of the keyboard will sound with additional auto harmony notes, while the auto accompaniment is playing. There are four types of harmony that can be selected from the Function menu..

- **Duet** adds a harmonizing note sounding below the single right hand note that you supply when the chord accompaniment is playing.
- **Close** harmony adds two harmonizing notes sounding below the single right hand melody note that you supply when the chord accompaniment is playing.
- **Open harmony** adds several harmonizing notes when the chord accompaniment is playing.
- **Octave** adds a note one octave below the note you play in the right hand section of the keyboard when the chord accompaniment is playing.

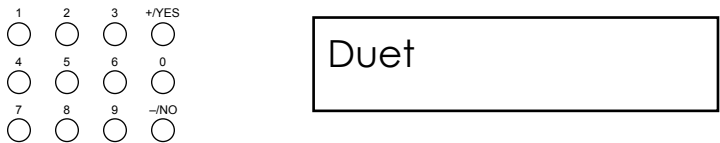
- 1 Press the FUNCTION button.

2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Harmony Type” menu appears

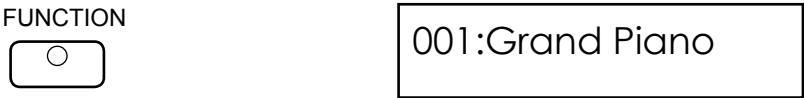
3 Press the +/YES button to access the Harmony Type menu and the current setting will be shown.



4 Use the +/YES and the –/NO buttons to choose a Harmony option from the list below. Press the +/YES, –/NO buttons simultaneously to recover the default setting.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



♫Please note, harmony will only sound when the auto accompaniment is on.

FUNCTION

LOCAL

Local is the MIDI Channel message that sets whether your keyboard is going to trigger its internal sounds (Local ON) or not (Local OFF). Normally, playing on the keyboard generates sound while it sends MIDI messages via the MIDI connector or USB. This mode is called Local On. You can mute the piano sounds while still sending out the MIDI messages. This mode is called Local Off. Turn Local on and off in the Function menu..

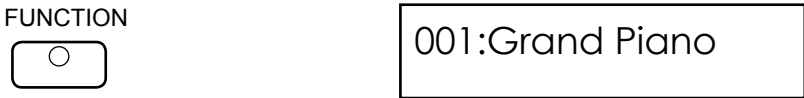
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Local” menu appears.
- 3 Press the +/YES button to access the Local menu and the current setting will be shown.



- 4 Use the +/YES button to turn Local on and the –/NO button to turn Local Off. The default setting is Local On.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.



♫Please note, if the Local is off there will be no sound from your keyboard.

VOCAL GRADE

The Play Along Songs music teacher has an optional vocal grading of your performance. Turn the Vocal Grade on and off in the Function menu.

- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Vocal Grade” menu appears
- 3 Press the +/YES button to access the Vocal Grade menu and the current setting will be shown. .



- 4 Use the +/YES button to turn Vocal Grade on and the –/NO button to turn Vocal Grade Off. The default setting is Vocal Grade On.



- 5 Press the FUNCTION button again to set the option and exit the function setting mode.

FUNCTION

RESET

You can Reset your piano to the initial factory settings. Please be aware that this will erase all saved data from the User buttons, the Registration memory banks and the User song banks and all the changed settings from the Function menu. Reset the piano in the Function menu.

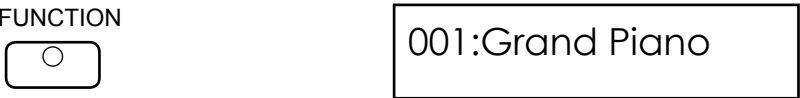
- 1 Press the FUNCTION button.
- 2 Press the PAGE ▲ or the PAGE ▼ buttons until the “Reset” menu appears.



- 3 Press the +/YES button to turn the Reset function on. This is the only option. Unlike the other Function menus pressing the +/YES button will immediately reset the piano. The piano will revert to the default factory settings. All stored memory will be erased.



- 5 Press the FUNCTION button again to exit the Function menu.

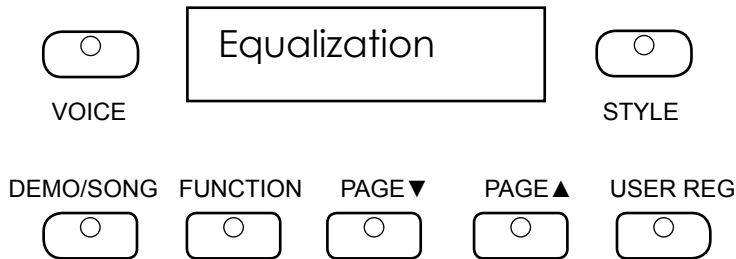


♫Please note, that Reset will erase all saved data from the User buttons, the Registration memory banks and the User songs and settings from the Function menu.

♫Please also note, pressing the +/YES button will immediately reset the piano. Do not enter the Function Reset sub-menu if you do not want to reset your piano.

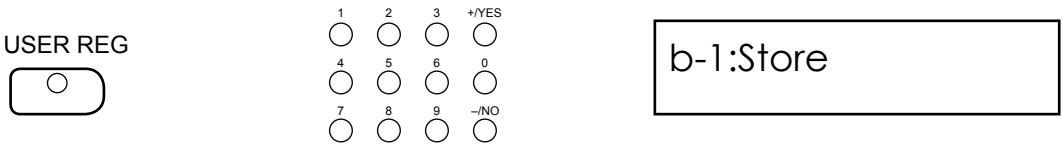
REGISTRATION MEMORY

Registration Memory can recall particular settings of style, voice, chord and other parameters or features you have engaged. This piano has nine registration memories to hold your favorite settings so that they can be recalled quickly by pressing a button. The registration will not be lost when the power is turned off



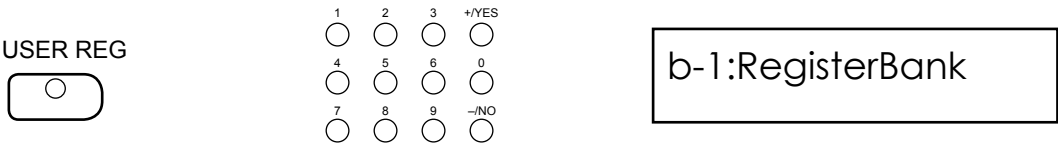
SAVE REGISTRATION

- 1 Preset the voice, rhythm, tempo, accompaniment, reverb effect and any other parameters that you wish to save.
- 2 Press and hold down the USER REG button. The indicator will be lit.
- 3 While holding the USE REG button, press one of the numbers 1-9, from the numeric pad. The display will show that registration memory number with a “b-” prefix. Your settings will be saved into that registration memory bank.
- 4 Release the USER REG button.
- 3 To exit the registration function mode, press the USER REG button again. Its LED will turn off, but the newly stored settings will remain selected.

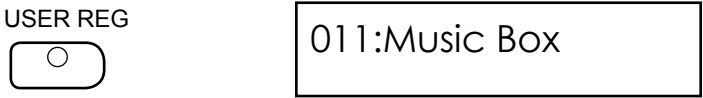


RECALL REGISTRATION

- 1 Press, don't hold, the USER REG button to engage the registration memory mode, the indicator will light up.
- 2 Press the number 1-9 buttons for the settings you want, the stored setting will be recalled instantly and the display will show the register bank with a “b-” prefix. Release the number button, the relevant parameters will be set and the display will recover to the voice that has just been recalled.

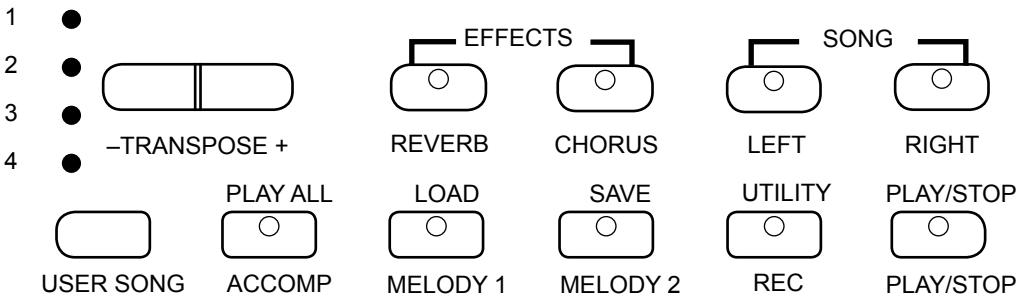


- 3 To exit the registration function mode, press the USER REG button again. Its LED will turn off, but the recalled settings will remain selected.



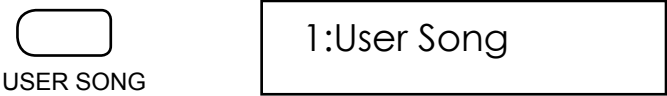
RECORD

This piano is equipped with a real time recorder, able to store four songs. Each song bank has a 3-track sequencer. It will record all note events and the accompaniment as they are performed. This recorded information will not be lost when the power is turned off. The tracks can playback separately, in any combination or together as a complete song. The melody tracks will record all notes, just as they are played. The accompaniment track will record only the auto accompaniment events. The ACCOMP track button will select the accompaniment track. The melody tracks are assigned by pressing the MELODY 1 and the MELODY 2 buttons. These three tracks enable you to overdub one song part on top of another, you can use a different voice if you like. The recorder feature is a fun and useful addition to any keyboard study program since it lets you hear exactly how you sound from the listener's perspective.



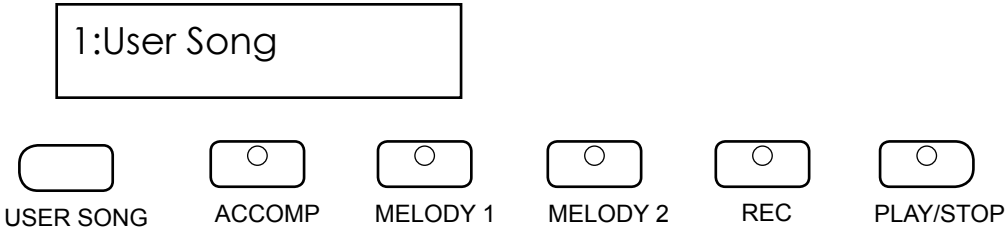
RECORDING

- 1 Before recording prepare the piano by setting the voice, style, volume, tempo, reverb level and other parameters as desired.
- 1Please note, these settings can be stored into a registration memory for easy recall, please see the Registration Memory section for more information.
- 2 Press the USER SONG button, and use it to select a song bank, this is where the recorded information will be stored, and it puts the piano into the record mode. Continued pressing of the USER SONG button will cycle through songs 1-4 and off. The indicator lights above the USER SONG button will show the song number selected, as will the display screen. If there is any data recorded in the selected song bank the indicators of the tracks with recorded information will be lit. If you do not wish for previously recorded tracks to play while you are recording, press the corresponding track button to turn the indicator light off before pressing the REC button.
- 1Please note, be careful not to hold the REC button down while de-selecting a track as that will put that track on standby, and immediately erase the existing recording.



- 3 While a user song is selected, press and hold down the REC button, then press the track(s) button that you want to record in. The REC button and the selected track(s) button's indicator will blink, and the four dots of the beat indicator above the TEMPO button will blink with the current tempo, showing that the recorder is on standby. If you have a recorded track(s) already in the selected song, that indicator will be lit, not blinking, that recorded music will play back, as a reference for you while you record the new track.

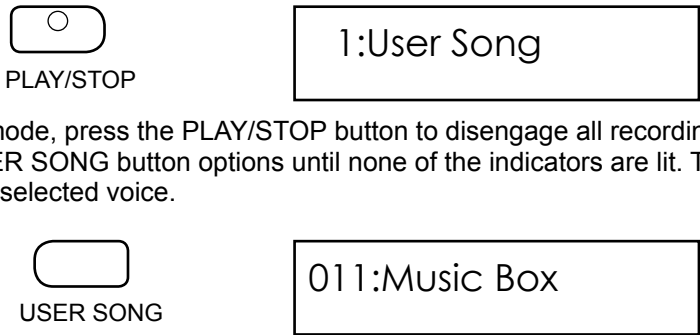
RECORD



4 Begin recording, you can record your performance in the following ways:

- RECORD MELODY TRACK ONLY:** If the MELODY 1 or MELODY 2 buttons are selected the recording will begin as soon as you play the keyboard.
♪Please note, it is suggested to turn off the fingering mode when recording on a melody track alone. When the fingering mode is set to Fingered or Single, the auto accompaniment section of the keyboard will not be recorded, although the notes are sounding.
- RECORD AUTO ACCOMPANIMENT TRACK ONLY:** With the Auto Accompaniment engaged and the ACCOMP track selected, recording will start as soon as a recognized chord is played on the auto accompaniment section of the keyboard.
♪Please note, notes played on the Melody section of the keyboard will not be recorded in the auto accompaniment track. If the auto accompaniment is off, only the percussive rhythm will be recorded in the ACCOMP track. An unrecognized chord in the fingered mode cannot start the recording.
- RECORD THE ACCOMPANIMENT AND A MELODY TRACK**
If you want to record a melody and the accompaniment at the same time, press a MELODY track button, then the ACCOMP track button and both indicators will blink in the standby mode. Recording begins as soon as you start to play on any section of the keyboard.
♪Please also note, the contents in a track will be erased as soon you select that track in the record mode. It will be replaced by the new data that the user is recording.

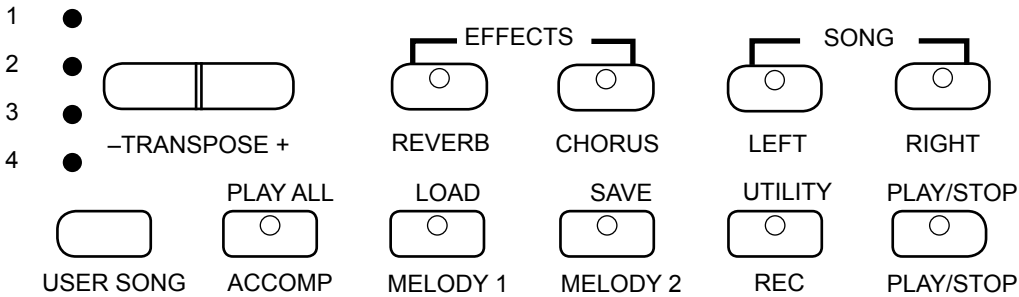
5 Press the PLAY/STOP button or the REC button to stop recording. When the accompaniment track is being recorded, you can press the INTRO/ENDING button to stop the recording with an ending pattern in the accompaniment track.
♪Please note, when the record memory is full, recording will stop automatically and “End” will appear on the display screen. The record time is approximately 15 minutes.



6 To exit the record mode, press the PLAY/STOP button to disengage all recording functions and then cycle through the USER SONG button options until none of the indicators are lit. The display screen will return to the currently selected voice.

RECORD
PLAYBACK

Listen to a recorded passage in the User song bank.



- To listen to the recorded passage press the USER SONG button and select the song you want to play back, using the +/-YES, -/NO buttons. The display will show the user song number.
- After you have selected your User Song, the indicators of the recorded tracks will be lit. If you do not wish to hear a specific track, press the corresponding track button to turn that track off. Its indicator will turn off.
- Press the PLAY/STOP button to hear the recorded track(s). The dots of the beat indicator above the TEMPO BUTTON will flash. You can change the tempo by pressing the +TEMPO- buttons. The keyboard is available for playing while the recording is playing back.
- Press the PLAY/STOP button again to stop the playback. Playback will stop automatically when the recording reaches its end.
- Press the USER SONG button repeatedly to cycle through until no indicators are lit to exit the record mode, the display screen will revert to the currently selected voice.



DELETING TRACKS

- To erase the music recorded on the tracks, press the USER SONG button to select the song you want to erase.
- Press and hold the REC button, its indicator will flash.
- Press the track(s) button that you wish to erase while you continue to hold down the REC button, the indicator(s) will also flash. This will immediately erase the existing data from your previous recording.

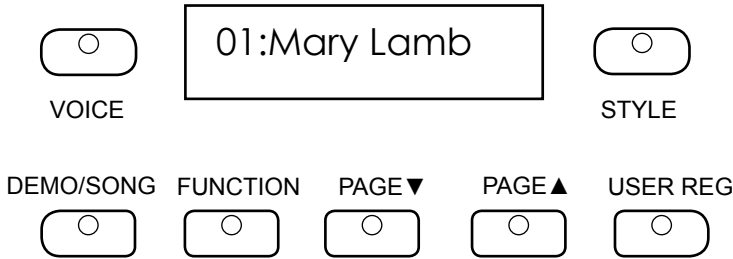


- Release the REC button, the indicators are still blinking.
- Press the TRACK button(s) again and the indicators will go out. When the track has been properly erased, its indicator will not be lit when the USER SONG button is selected. This indicates that there is no recorded information on this track.
- Press the USER SONG button repeatedly to cycle through until no indicators are lit to exit the record mode, the display screen will revert to the currently selected voice.

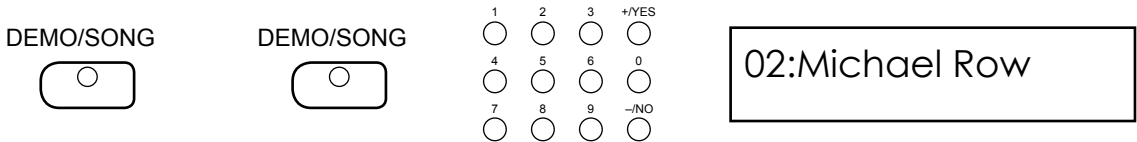
PLAY ALONG SONGS

There are 50 songs, of varying difficulty, built into the piano for you to practice and learn how to play. These songs have separate left hand, or accompaniment, and right hand, or melody, parts that can be turned on and off independently, so you can learn right, left and both hand portions as you progress in skill.

SELECT AND LISTEN TO A SONG



- 1 Press the DEMO/SONG button twice, the indicator will turn blue and the first play along song will appear on the display.
- 2 Use the +/YES, -/NO buttons or the numeric pad to select a song. The song number and title will appear on the display.
- Please note**, when using the number pads, you must enter two digits to select a play along song number from 01-50. For example, to select play along song No. 2 you must enter “042”.
- 3 Press the PLAY/STOP button to listen to both hand portions of the selected song.

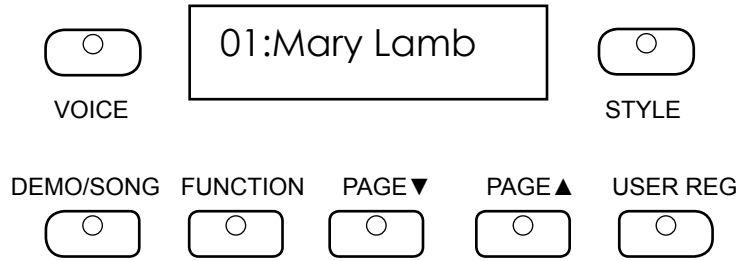


- The accompaniment chord that is playing and the tempo will be shown on the display.
- 4 The song will stop automatically when it is finished. Press the DEMO/SONG button again to exit the play along song mode, the indicator will go out.

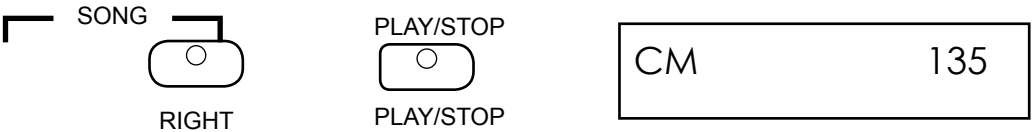


PLAY ALONG SONGS

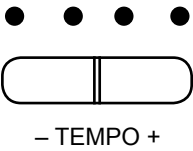
PRACTICING THE RIGHT HAND MELODY OF THE SONG



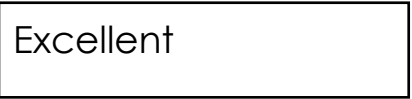
- 1 Press the DEMO/SONG button twice, the indicator will turn blue and the first play along song will appear on the display.
- 2 Select a song, please refer to the Select and Listen to a Song section.
- 3 Press the RIGHT song button. The indicator will turn on.
- 4 Press the PLAY/STOP button, after the metronome sound counts in, the auto accompaniment will play, and you can play the right hand melody notes. The auto accompaniment chord that is playing and the tempo will be shown on the display.
- Please note**, if you want to replace the drum part of the accompaniment with the metronome tick, press the METRONOME button before or while playing.



- Please also note**, if you want to play slower or faster than the preset tempo, use the – TEMPO + buttons, to change the tempo value range from 40 to 240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default tempo for the selected song.

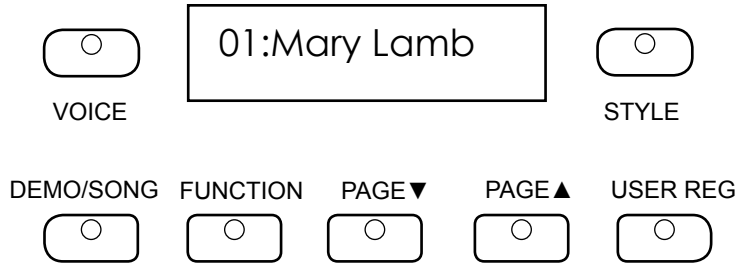


- 5 The song will stop automatically when it is finished. If the vocal grading is turned on, you will hear your grade when the song is finished. The grades are,"Try Again", "Good", "Very Good", and "Excellent". Vocal grading can be turned on and off in the function menu. Please see the Function section of the manual for more information.
- 6 Press the DEMO/SONG button again to exit the play along song mode, the indicator will go out.



PLAY ALONG SONGS

PRACTICING THE LEFT HAND ACCOMPANIMENT OF THE SONG



- 1 Press the DEMO/SONG button twice, the indicator will turn blue and the first play along song will appear on the display.
- 2 Select a song, please refer to the Select and Listen to a Song section.
- 3 Press the LEFT song button. The indicator will turn on. The accompaniment chord mode is set to fingered automatically
- 4 Press the PLAY/STOP button, after the metronome sound counts in, the melody will play, and you can play the left hand accompaniment notes. The accompaniment chord that you should be playing and the tempo will be shown on the display.



♫Please note, if you want to replace the percussion part of the accompaniment with the metronome tick, press the METRONOME button before or while playing.
♫Please also note, if you want to play slower or faster than the preset tempo, use the – TEMPO + buttons, to change the tempo value range from 40 to 240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default tempo for the selected song.

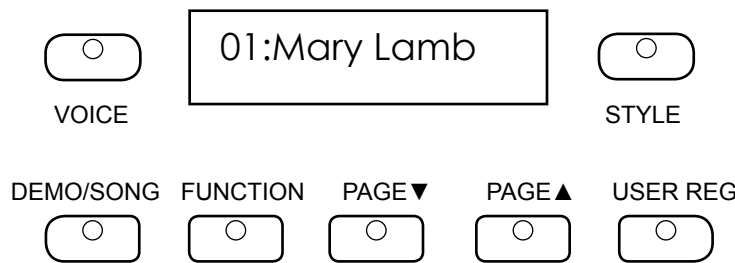


- 5 The song will stop automatically when it is finished. If the vocal grading is turned on, you will hear your grade when the song is finished. The grades are, "Try Again", "Good", "Very Good", and "Excellent". Vocal grading can be turned on and off in the function menu. Please see the Function section of the manual for more information.
- 6 Press the DEMO/SONG button again to exit the play along song mode, the indicator will go out.

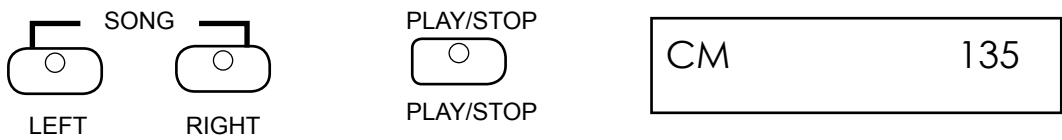


PLAY ALONG SONGS

PRACTICING BOTH HANDS OF THE SONG



- 1 Press the DEMO/SONG button twice, the indicator will turn blue and the first play along song will appear on the display. The accompaniment chord mode is set to fingered automatically.
- 2 Select a song, please refer to the Select and Listen to a Song section.
- 3 Press the LEFT and the RIGHT song buttons at the same time. The indicators will turn on.



- 4 Press the PLAY/STOP button, after the metronome sound counts in, only the percussion portion of the song will play, you can play both the right hand melody and the left hand accompaniment notes. The accompaniment chord that you should be playing and the tempo will be shown on the display.

♫Please note, if you want to replace the percussion part of the accompaniment with the metronome tick, press the METRONOME button before or while playing.
♫Please also note, if you want to play slower or faster than the preset tempo, use the – TEMPO + buttons, to change the tempo value range from 40 to 240 bpm (beats per minute). Press the – TEMPO + buttons simultaneously to recall the default tempo for the selected song.



- 5 The song will stop automatically when it is finished. If the vocal grading is turned on, you will hear your grade when the song is finished. The grades are, "Try Again", "Good", "Very Good", and "Excellent". Vocal grading can be turned on and off in the function menu. Please see the Function section of the manual for more information.
- 6 Press the DEMO/SONG button again to exit the play along song mode, the indicator will go out.

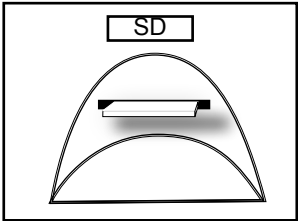


CARD

The card feature allows you to load, save and delete your song files on a SD card.

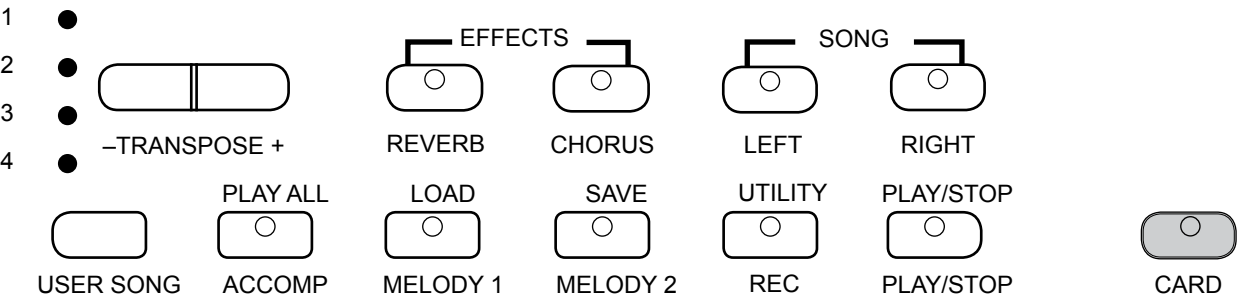
INSERT THE CARD

Insert the SD memory card in to memory card reader slot with the label side up and the metal teeth leading into the slot. Gently slide the SD memory card into the slot and push it with your finger until it clicks into place, meaning that it is engaged.



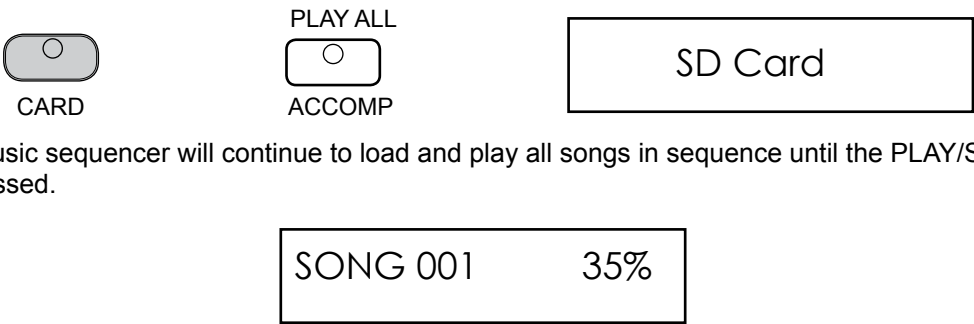
REMOVE THE CARD

To remove the SD memory card gently press the SD memory card until your hear a click, release and it will pop back out of the memory card reader slot and allow you to grab it to remove it from the piano. Do not remove the Memory Card or turn off the power when the memory card reader is engaged to avoid memory loss or damage to the SD Memory Card or the Memory Card Reader



PLAY ALL

The Play All card function lets you play all SMF (Standard MIDI File) format songs that are on the card.
1 Insert a SD card into the card reader with some of your previous musical performances on it or songs in the SMF format.
2 Press the CARD button and select the PLAY ALL button. The music sequencer will automatically load the first MIDI File Song that is on the card and it will begin to play.

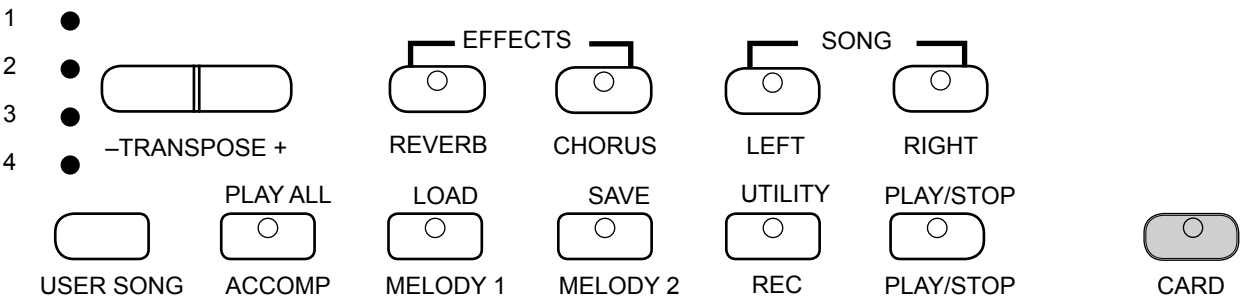


3 The music sequencer will continue to load and play all songs in sequence until the PLAY/STOP button is pressed.

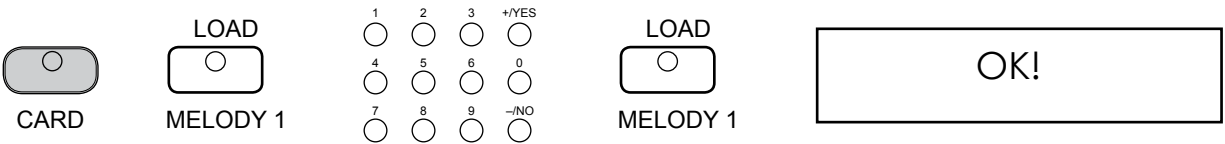
CARD

LOAD SONG

If you would like to listen to a specific song from the SD card you must first load it into the music sequencer. Load song retrieves one of your previously stored music performances or MIDI file songs from the SD card.



1 Insert a SD card into the card reader with some of your previous musical performances on it or songs in the SMF (Standard MIDI File) format.
2 Press the CARD button. When read, "SD Card" will be shown on the display.
3 Press the LOAD button. The first song will show on the display.
4 Use the +/-Yes or the -NO buttons until the song that you would like to hear is on the display.
5 Press the LOAD button again while that song is shown on the LCD Screen. This will confirm you selection and load this song into the music sequencer. After loading the song the display will flash an "OK!" as confirmation, then return to SD card screen.



6 Press the PLAY/STOP Button and you will hear your selected song play.
Please note, if the song you want to load has to many channels the display will show the error on the screen.

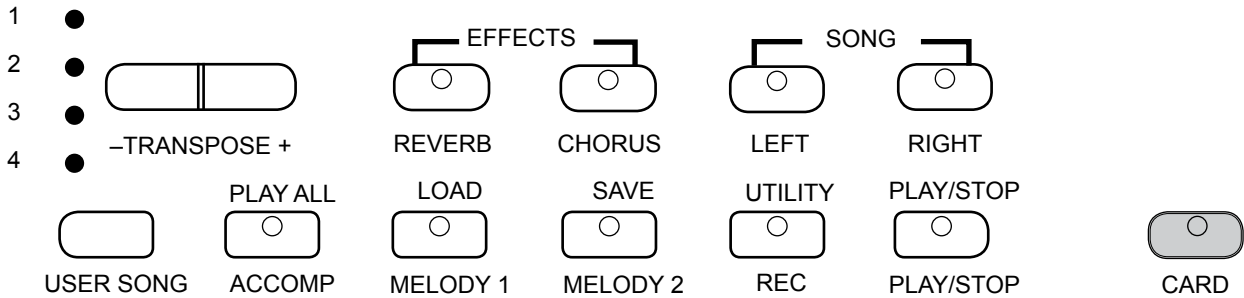


Please also note, if there is a User song in the piano, the piano will ask if you would like to save that song before loading. Loading a user song to the SD card erases that song from the piano's user song bank.

CARD

SAVE SONG

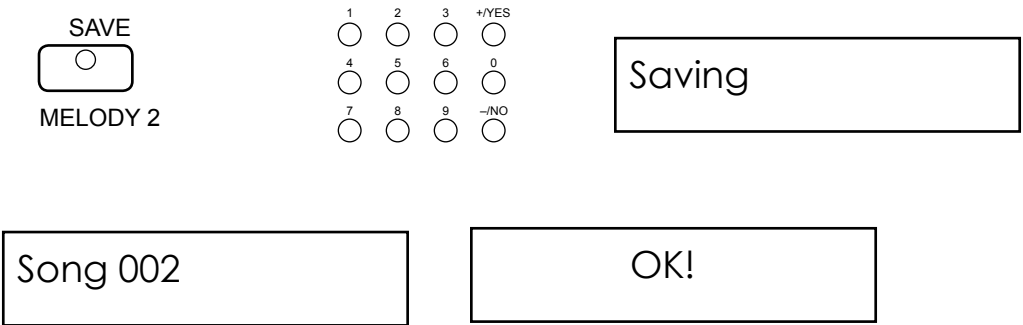
The Save song function lets you save the musical performance data that you recorded in the 3 track music recorder (sequencer) onto a SD card. Make sure the card that you have selected has room to store song data files on it, and make sure that your musical performance is recorded into one of the piano's user song banks.



- 1 Press the CARD button. When read, "SD card" will be shown on the display.
- 2 Press the SAVE button. The user song indicator for the first song will flash, the display will ask "Save it to card?".



- 3 Use the -/NO button to cycle through the available user songs until you have the song you want to save. Pressing the +/YES button will save the song to the SD card. If you press the -/NO button to all the songs the piano will exit the save song menu.
 - 4 Press the SAVE button or the +/YES button when the desired user song is selected. The song will be saved and named in sequence. The SD song name/number is independent of the User song name/number. When the song is saved the display will revert to the SD card screen.
- ♪Please note, if there is a recorded user song the piano will ask if you want to save that song before playing any other selections.



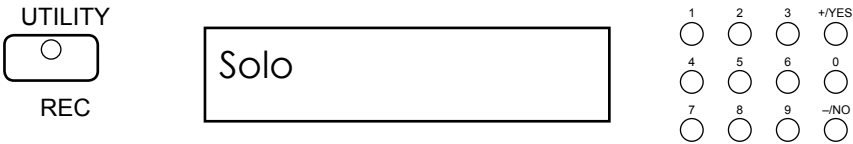
CARD

UTILITY

Selecting the UTILITY button on the control panel will access the following options; Solo, Mute or Delete.

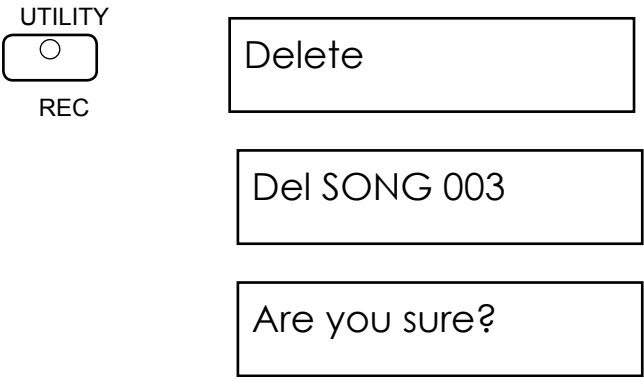
- **SOLO**
The Solo Channel Screen allows you to select an individual track of your MIDI file song to solo on (play along with). Depending on your standard MIDI file formatted song you would be able to solo on one of the sixteen channels or tracks that you have selected.
- **MUTE CHANNEL**
The Mute Channel allows you to select a individual track of your MIDI File Song to Mute. Therefore depending on your Standard MIDI File Formatted Song you would be able to Mute a certain channel, such as the Bass or Melody
- **DELETE** is used to remove unwanted files from the SD card.

- 1 Insert a SD card into the card reader with some of your previous musical performances on it or songs in the SMF (Standard MIDI File) format.
- 2 Press the CARD button. When read, "SD Card" will be shown on the display.
- 3 Load the song you want to use. Please refer the Load Song section.
- 4 Press the UTILITY button to access the utility menu. The first option will show on the display.
- 5 Use the +/YES or the -/NO buttons to select an option; Solo, Mute or Delete.
- 6 Press the UTILITY button again while that option is shown on the LCD Screen to confirm your selection. The channel will show on the screen.



- 7 Use the +/YES or the -/NO buttons cycle through the available channels and/or songs and select the one you want.
- 6 Press the PLAY/STOP Button to:
 - Hear your selected channel play if you are in Solo, or
 - Hear your song play except the selected channel if you are in Mute.

Press the UTILITY button to delete a song. The screen will display a confirmation panel, follow the screen instructions to delete the selected track.



♪Please note, to return to a previous menu press the 0 button from the numeric pad.

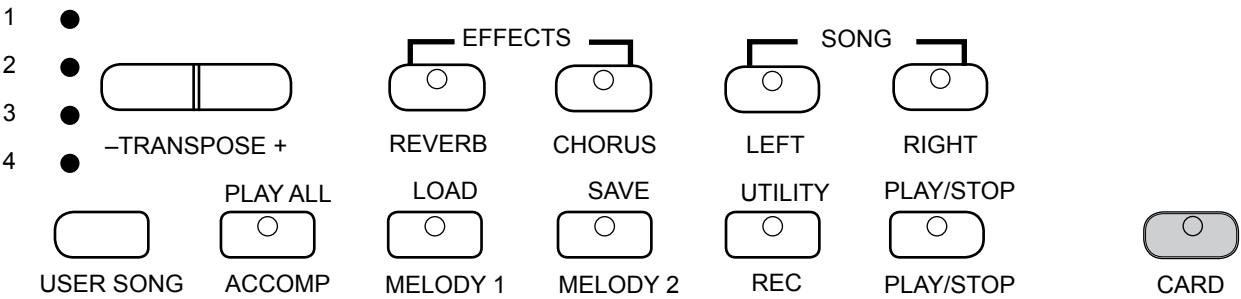
CARD

PLAY/STOP

Selecting the PLAY/STOP Button on the control panel will start and /or stop the song that is loaded in the music sequencer. Using your computer you can download various types of songs (called MIDI Files) from the Internet and save them to a SD memory card. The MIDI files you download must be in standard MIDI file format for proper playback. You can search the web by visiting Google.com and entering SMF MIDI FILES into their search engine.

MICROPHONE

If you would like to sing along with the music from the piano, plug in the microphone to the Mic Input Jack located on the connector panel on the bottom left hand side of the piano.



MIDI

MIDI stands for Musical Instrument Digital Interface. This is a worldwide standard communication interface that enables electronic musical instruments and computers (of all brands) to communicate with each other so that instructions and other data can pass between them. This exchange of information makes it possible to create a system of MIDI instruments and devices that offers far greater versatility and control than is available with isolated instruments. Whether you interface with computers, sequencers, expanders or other keyboards your musical horizons will be greatly enhanced.

MIDI CONNECTION

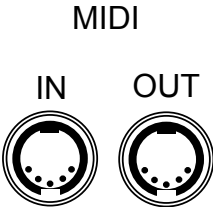
The MIDI terminals are located on the left side panel of the piano. For more information regarding transmitted MIDI data please see the MIDI implementation chart at the back of this manual.

MIDI IN

This terminal receives MIDI data from an external MIDI device.

MIDI OUT

This terminal transmits data from this instrument to other MIDI devices. The transmitted data includes the note and touch velocity produced while playing on the keyboard, as well as voice changes, wheel operation, and recorded playback for the melody tracks. Demo songs and auto accompaniment are not transmitted.



MIDI CHANNELS

The MIDI system in this unit has 16 channels numbered from 1-16. Each of the channels is responsible for a voice. When the instrument receives from an external device, the active channel is determined by the control message. The transmission channels on this keyboard are fixed as follows:

- **Channel 1:** Master voice
- **Channel 2:** Layer voice
- **Channel 3:** Split voice
- **Channel 4:** Bass in manual bass chord mode
- **Channel 7:** Chord in manual bass chord mode
- **Channel 10:** Percussion sound

Please see the MIDI Implementation Chart for more detail.

MIDI

MIDI IMPLEMENTATION CHART

Function	Transmitted	Recognized	Remark
Basic Channel	1 CH	1-16 CH	
Channel changed	1-16 CH	1-16 CH	
Default Mode	3	3	
Note Number 9-120 0-127			
Velocity: Note On	•	•	
Velocity: Note Off	X	•	
Pitch Bender	•	•	
Control Change: 0	•	X	Variation page
1	X	X	Modulation
5	X	X	Portamento value
7, 10	•	•	Volume, Pan
11	X	•	Expression
64, 66, 67	•	•	Sustain. Sostenuto, Soft Pedal
65	X	X	Portamento yes/no
80, 81	•	•	Reverb, Chorus program
91	•	•	Reverb, Chorus send level
98, 99	X	X	NRPNL, NRPHH
100 ,101	X	X	RPNL, RPNH
121	•	•	Reset all controllers
123	•	•	All notes off
Program Change	0-127	0-127	
System Exclusive	X	X	
Sys. Common: Song	X	X	
Select	X	X	
Sys. Common: Song Po- sition	X	X	
System: Clock	X	X	
Real Time: Commands	X	X	

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON, MONO
- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

AUTO BASS CHORD FINGERING GUIDE

FINGERING GUIDE		
CHORD	DISPLAY	INTERVALS
Major	M	1-3-5
Major sixth	M6	1-3-5-6
Major seventh	M7	1-3-(5)-7
Major seventh sharp eleventh	M7 #11	1-(2)-3-#4-(5)-7
Major add ninth	M 9	1-2-3-5
Major seventh ninth	M7 9	1-2-3-(5)-7
Major sixth add ninth	M6 9	1-2-3-(5)-6
Augmented	Aug	1-3-#5
Minor	m	1-b3-5
Minor sixth	m6	1-b3-5-6
Minor seventh	m7	1-b3-(5)-b7
Minor seventh flatten fifth	m7b5	1-b3-b5-b7
Minor add ninth	m 9	1-2-b3-5
Minor seventh add ninth	m7 9	1-2-b3-(5)-b7
Minor seventh add eleventh	m7 11	1-(2)-b3-4-5-(b7)
Minor major seventh	mM7	1-b3-(5)-7
Minor major seventh add ninth	mM7 9	1-2-b3-(5)-7
Diminished	Dim	1-b3-b5
Diminished seventh	Dim7	1-b3-b5-6
Seventh	7	1-3-(5)-b7
Seventh suspend fourth	7sus4	1-4-5-b7
Seventh add ninth	7 9	1-2-3-(5)-b7
Seventh sharp eleventh	7 #11	1-(2)-3#4-(5)-b7
Seventh thirteenth	7 13	1-3-(5)-6-b7
Seventh flatted fifth	7 b5	1-3-b5-b7
Seventh flatted ninth	7 b9	1-b2-3-(5)-b7
Seventh flatted thirteenth	7 b13	1-3-5-b6-b7
Seventh sharp ninth	7 #9	1-#2-3-(5)-b7
Major seventh augmented	M7aug	1-3-#5-7
Seventh augmented	7aug	1-3-#5-b7
Suspended fourth	Sus4	1-4-5
Seventh suspend fourth	7sus4	1-4-5b7

The Fingering Guide table above lists all of the 32 playable chords of the Fingered Mode.

Please note, the intervals listed in parentheses an be omitted. The listed chord fingerings are all in root note position, other inversions can be used with the exception of:

The M6 chords are only recognized in root note position. All other inversions are interpreted as m7.

The 69 chords are only recognized in root note position. All other inversions are interpreted as m11

The m6 chords are only recognized in root note position. All other inversions are interpreted as m7b5.

With aug and dim7 chords, the lowest note played is assumed to be the root.

These inversions do not apply to the Piano mode.

VOICE LIST

NO.	NAME	DISPLAY
PIANO		
1	Acoustic Grand Piano	Grand Piano
2	Bright Acoustic Piano	Bright Piano
3	Electric Grand Piano	Elec.G.Piano
4	Honky-Tonk Piano	Honky-Tonk
5	Electric Piano 1	Elec.Piano1
6	Electric Piano 2	Elec.Piano2
7	Harpsichord	Harpsichord
8	Clavichord	Clavichord
CHROMATIC PERCUSSION		
9	Celesta	Celesta
10	Glockenspiel	Glockenspiel
11	Music box	Music Box
12	Vibraphone	Vibraphone
13	Marimba	Marimba
14	Xylophone	Xylophone
15	Tubular Bells	TubularBells
16	Dulcimer	Dulcimer
ORGAN		
17	Drawbar Organ	Draw Organ
18	Percussive Organ	Percus Organ
19	Rock Organ	Rock Organ
20	Church Organ	ChurchOrgan
21	Reed Organ	Reed Organ
22	Accordion	Accordion
23	Harmonica	Harmonica
24	Tango Accordion	Tango Accordn
GUITAR		
25	Acoustic Nylon Guitar	Nylon Guitar
26	Acoustic Steel Guitar	Steel Guitar
27	Electric Jazz Guitar	Jazz Guitar
28	Electric Clean Guitar	Clean Guitar
29	Electric Muted Guitar	Mute Guitar
30	Overdriven Guitar	Overdrive
31	Distortion Guitar	DistGuitar Reed
32	Guitar Harmonics	GtrHarmonics
33	Acoustic Bass	AcousticBass
34	Electric Bass (finger)	Finger Bass
35	Electric Bass (pick)	Pick Bass
36	Fretless Bass	FretlessBass
37	Slap Bass 1	SlapBass1

NO	NAME	DISPLAY
38	Slap Bass 2	SlapBass2
39	Synth Bass 1	Synth Bass1
40	Synth Bass 2	Synth Bass2
STRINGS		
41	Violin	Violin
42	Viola	Viola
43	Cello	Cello
44	Contrabass	ContraBass
45	Tremolo Strings	TremStrings
46	Pizzicato Strings	PizzStrings
47	Orchestral Harp	OrchHarp
48	Timpani	Timpani
ENSEMBLE		
49	String Ensemble 1	StringEnsbl1
50	String Ensemble 2	StringEnsbl2
51	Synth Strings 1	SynthString1
52	Synth Strings 2	SynthString2
53	Choir Aahs	ChoirAahs
54	Voice Oohs	VoiceOohs
55	Synth Voice	Synth Voice
56	Orchestra Hit	OrchHit
BRASS		
57	Trumpet	Trumpet
58	Trombone	Trombone
59	Tuba	Tuba
60	Muted Trumpet	MutedTrumpet
61	French Horn	FrenchHorn
62	Brass Section	BrassSection
63	Synth Brass 1	SynthBrass1
64	Synth Brass 2	SynthBrass2
65	Soprano Sax	SopranoSax
66	Alto Sax	Alto Sax
67	Tenor Sax	Tenor Sax
68	Baritone Sax	Baritone Sax
69	Oboe	Oboe
70	English Horn	English Horn
71	Bassoon	Bassoon
72	Clarinet	Clarinet
PIPE		
73	Piccolo	Piccolo
74	Flute	Flute

VOICE LIST

NO	NAME	DISPLAY
75	Recorder	Recorder
76	Pan Flute	Pan Flute
77	Bottle Blow	Bottle
78	Shakuhachi	Shakuhachi
79	Whistle	Whistle
80	Ocarina	Ocarina
SYNTH LEAD		
81	Lead 1 (square)	Square Lead
82	Lead 2 (sawtooth)	SawtoothLead
83	Lead 3 (calliope lead)	CalliopeLead
84	Lead 4 (chiff lead)	Chiff Lead
85	Lead 5 (charang)	Charang Lead
86	Lead 6 (voice)	Voice Lead
87	Lead 7 (fifths)	Fifth Lead
88	Lead 8 (bass + lead)	Bass +Lead
SYNTH PAD		
89	Pad 1 (new age)	New Age Pad
90	Pad 2 (warm)	Warm Pad
91	Pad 3 (polysynth)	PolySynthPad
92	Pad 4 (choir)	Choir Pad
93	Pad 5 (bowed)	Bowed Pad
94	Pad 6 (metallic)	Metallic Pad
95	Pad 7 (halo)	Halo Pad
96	Pad 8 (sweep)	Sweep Pad
SYNTH EFFECT		
97	FX 1 (rain)	Rain
98	FX 2 (soundtrack)	Sound Track
99	FX 3 (crystal)	Crystal
100	FX 4 (atmosphere)	Atmosphere
101	FX 5 (brightness)	Brightness

NO	NAME	DISPLAY
102	FX 6 (goblins)	Goblins
103	FX 7 (echoes)	Echoes
104	FX 8 (sci-fi)	Sci-Fi
ETHNIC		
105	Sitar	Sitar
106	Banjo	Banjo
107	Shamisen	Shamisen
108	Koto	Koto
109	Kalimba	Kalimba
110	Bagpipe	Bagpipe
111	Fiddle	Fiddle
12	Shanai	Shanai
PERCUSSIVE		
113	Tinkle Bell	Tinkle Bell
114	Agogo	Agogo
115	Steel Drums	Steel Drums
116	Woodblock	WoodBlock
117	Taiko Drum	Taiko Drum
118	Melodic Tom	MelodicTom
119	Synth Drum	Synth Drum
120	Reverse Cymbal	ReversCymbal
SOUND EFFECT		
121	Guitar Fret Noise	Fret Noise
122	Breath Noise	Breath Noise
123	Seashore	Seashore
124	Bird Tweet	Bird Tweet
125	Telephone Ring	Telephone
126	Helicopter	Helicopter
127	Applause	Applause
128	Gunshot	Gunshot

♪Please note, for voices from 001 - 128 in the table, the “No.” is the displayed voice number.

The MIDI program number for any voice listed is one less than the display number.
For example voice 001 Acoustic Grand Piano Midi program number is 000,
voice 002 Bright Acoustic Piano MIDI program number is 001, and so forth.

ASIAN FOLK INSTRUMENTS

Asian Folk Instruments				
NO.	NAME	DISPLAY	CHANGE	BANK
129	Yangqin	Yangqin	15	1
130	Sanxian	Pipa	106	1
131	Zheng	Zheng	107	1
132	Erhu	Erhu 1	110	1
133	Banhu	Banhu	0	1
134	Suona	Suona	1	1
135	Sheng	Sheng	2	1
136	Dizi	Dizi	3	1
137	Erhu + Yangqin	ErhuYangqin2	7	1
138	Dizi + Zheng	DiziZheng2	11	1

Please note, when the touch sensitivity is in the “Soft,” “Normal,” or “Hard,” mode,voice No. 137 will sound as Erhu when a key is struck softly, and as Yangqin when the key is struck hard.
If the touch response is fixed, voice No. 137 will always sound as Yangqin.

When the touch sensitivity is in the “Soft,” “Normal,” or “Hard,” mode, voice No. 138 will sound as Zheng when a key is struck softly, and as Dizi when the key is struck hard.
If the touch response is fixed, voice No. 138 will always sound as Dizi.

STYLE LIST

Style List

NO	NAME & DISPLAY	NO	NAME & DISPLAY	NO	NAME & DISPLAY
0	Swing	33	Funky	67	Hawaiian
1	Swing' Organ	34	Disco	68	Hula
2	Swing Trio	35	DiscoDance 1	69	Boogie
3	Slow Swing	36	DiscoDance 2	70	Fox Trot
4	Dixie	37	DiscoShuffle	71	Ragtime
5	Jazz	38	DiscoGroove	72	Waltz 1
6	Lounge	39	House	73	Waltz 2
7	Shuff Blues	40	Dance 1	74	Classical 1
8	Blues	41	Dance Pop 1	75	Classical 2
9	Gospel 1	42	Dance Pop 2	76	Ballad
10	Gospel 2	43	80s Dance	77	50's Ballad
11	Reggae 1	44	Dance 2	78	Power Ballad
12	Reggae 2	45	Techno	79	Jazz Ballad
13	Motown	46	Rap	80	Bolero
14	Shuffle	47	Rock 1	81	Slow 16
15	R&B 1	48	Rock 2	82	Kids 1
16	R&B 2	49	Rock 3	83	Kids 2
17	R&B Shuf	50	RocknRoll 1	84	March 1
18	Pop 1	51	RocknRoll 2	85	March 2
19	Pop 2	52	SurfRock	86	March 3
20	Pop 3	53	Jerry	87	Polka 1
21	Beat Pop 1	54	BossaNova 1	88	Polka 2
22	Beat Pop 2	55	BossaNova 2	89	MexPolka
23	Beat Pop 3	56	Pop Bossa 1	90	NewAge
24	Pop 16	57	Pop Bossa 2	91	Country
25	Pop Acoustic	58	Salsa	92	CountryTrain
26	Easy Pop	59	Tango	93	Bluegrass
27	Funky Pop	60	Merenque	94	Slow Blus
28	Disco Pop	61	Rumba	95	LatinBigBand
29	Slow Groove	62	Beguine	96	Brodway 1
30	Florida	63	Samba	97	Brodway 2
31	Folk 1	64	ChaCha	98	Big Band
32	Folk 2	65	Latin 1	99	Mambo Band
		66	Latin 2		

DRUM KIT LIST 1

No-Key	Standard (0) P-1	Room (8) P-2	Power (16) P-3	Electronic (24) P-4	TR-808 (25) P-5
27-Eb0	High Q	High Q	High Q	High Q	High Q
28-E0	Slap	Slap	Slap	Slap	Slap
28-F0	Scratch Push	Scratch Push	Scratch Push	Scratch Push	Scratch Push
30-F#0	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull	Scratch Pull
31-G0	Stick	Stick	Stick	Stick	Stick
32-G#0	Square Click	Square Click	Square Click	Square Click	Square Click
33-A0	Metronome Click	Metronome Click	Metronome Click	Metronome Click	Metronome Click
34-Bb0	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell
35-B0	Kick Drum 2	Kick Drum 2	Kick Drum 2	Kick Drum 2	Kick Drum 2
36-C1	Kick Drum 1	Room Kick Drum	Power Kick Drum	Elec Kick Drum	Synth Kick Drum
37-C#1	Side Stick	Side Stick	Side Stick	Side Stick	Synth Side Stick
38-D1	Snare Drum 2	Snare Drum 2	Power Snare Drum	Elec Snare Drum	Synth Snare Drum
39-Eb1	Hand Clap	Hand Clap	Hand Clap	Hand Clap	Hand Clap
40-E1	Snare Drum 1	Snare Drum 1	Snare Drum 1	Power Snare Drum 1	Snare Drum 1
41-F1	Low Floor Tom 2	Room Low Floor Tom 2	Room Low Floor Tom 2	Elec Low Floor Tom 2	Synth Low Floor Tom 2
42-F#1	Close Hi-Hat	Close Hi-Hat	Close Hi-Hat	Close Hi-Hat	Synth Close Hi-Hat
43-G1	Low Floor Tom 1	Room Low Floor Tom 1	Room Low Floor Tom 1	Elec Low Floor Tom 1	Synth Low Floor Tom 1
44-G#1	Pedal Hi-Hat	Pedal Hi-Hat	Pedal Hi-Hat	Pedal Hi-Hat	Synth Pedal Hi-Hat
45-A1	Low Tom	Room Low Tom	Room Low Tom	Elec Low Tom	Synth Low Tom
46-Bb1	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	Open Hi-Hat	Synth Open Hi-Hat
47-B1	Low-mid Tom	Room Low-mid Tom	Room Low-mid Tom	Elec Low-mid Tom	Synth Low-mid Tom
48-C2	Hi-mid tom	Room Hi-mid tom	Room Hi-mid tom	Elec Hi-mid tom	Synth Hi-mid tom
49-C#2	Crash Cymbal 1	Crash Cymbal 1	Crash Cymbal 1	Crash Cymbal 1	Synth Crash Cymbal 1
50-D2	High Tom	Room High Tom	Room High Tom	Elec High Tom	Synth High Tom
51-Eb2	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1	Ride Cymbal 1
52-E2	Chinese Cymbal	Chinese Cymbal	Chinese Cymbal	Reverse Cymbal	Chinese Cymbal
53-F2	Ride Bell	Ride Bell	Ride Bell	Ride Bell	Ride Bell
54-F#2	Tambourine	Tambourine	Tambourine	Tambourine	Tambourine
55-G2	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal
56-G#2	Cowbell	Cowbell	Cowbell	Cowbell	Synth Cowbell
57-A2	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2	Crash Cymbal 2
58-Bb2	Vibra Slap	Vibra Slap	Vibra Slap	Vibra Slap	Vibra Slap
59-B2	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2	Ride Cymbal 2
60-C3	Hi Bingo	Hi Bingo	Hi Bingo	Hi Bingo	Hi Bingo
61-C#3	Low Bongo	Low Bongo	Low Bongo	Low Bongo	Low Bongo
62-D3	Mute Conga	Mute Conga	Mute Conga	Mute Conga	Synth Mute Conga
63-Eb3	Hi Congo	Hi Congo	Hi Congo	Hi Congo	Synth Hi Congo
64-E3	Low Conga	Low Conga	Low Conga	Low Conga	Synth Low Conga
65-F3	High Timbale	High Timbale	High Timbale	High Timbale	High Timbale
66-F#3	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Low Timbale
67-G3	High Agogo	High Agogo	High Agogo	High Agogo	High Agogo
68-G#3	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Low Agogo
69-A3	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
70-Bb3	Maracas	Maracas	Maracas	Maracas	Synth Maracas
71-B3	Short Whistle	Short Whistle	Short Whistle	Short Whistle	Short Whistle
72-C4	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Long Whistle
73-C#4	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Short Guiro
74-D4	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Long Guiro
75-Eb4	Claves	Claves	Claves	Claves	Synth Claves
76-E4	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block
77-F4	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block
78-F#4	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica
79-G4	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Open Cuica
80-G#4	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle
81-A4	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Open Triangle
82-Bb4	Cabasa	Cabasa	Cabasa	Cabasa	Cabasa
83-B4	Shaker	Shaker	Shaker	Shaker	Shaker
84-C5	Belltree	Belltree	Belltree	Belltree	Belltree
85-C#5	Castanets	Castanets	Castanets	Castanets	Castanets
86-D5	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo	Mute Surdo
87-Eb5	Open Surdo	Open Surdo	Open Surdo	Open Surdo	Open Surdo

DRUM KIT LIST 2

No-Key	Jazz (32) P-6	Brush (40) P-7	Orchestra (48) P-8	Chinese (58) P-9	Effects (56) P-10
27-Eb0	High Q	High Q	Close Hi-Hat	High Q	
28-E0	Slap	Slap	Pedal Hi-Hat	Slap	
28-F0	Scratch Push	Scratch Push	Open Hi-Hat	Scratch Push	
30-F#0	Scratch Pull	Scratch Pull	Ride Cymbal	Scratch Pull	
31-G0	Stick	Stick	Stick	Stick	
32-G#0	Square Click	Square Click	Square Click	Square Click	
33-A0	Metronome Click	Metronome Click	Metronome Click	Metronome Click	
34-Bb0	Metronome Bell	Metronome Bell	Metronome Bell	Metronome Bell	
35-B0	Jazz Bass Drum 1	Jazz Bass Drum 1	Kick Drum 2	Kick Drum 2	
36-C1	Jazz Bass Drum 2	Jazz Bass Drum 2	Orche Bass Drum 1	Kick Drum 1	
37-C#1	Side Stick	Side Stick	Side Stick	Side Stick	
38-D1	Snare Drum 2	Brush Tap	Orche Snare Drum 2	Snare Drum 2	
39-Eb1	Hand Clap	Brush Slap	Castanets	Hand Clap	High Q
40-E1	Snare Drum 1	Brush Swirl	Orche Snare Drum 1	Snare Drum 1	Slap
41-F1	Low Floor Tom 2	Low Floor Tom 2	Timpani F	Low Floor Tom 2	Scratch Push
42-F#1	Close Hi-Hat	Close Hi-Hat	Timpani F#	Close Hi-Hat	Scratch Pull
43-G1	Low Floor Tom 1	Low Floor Tom 1	Timpani G	Low Floor Tom 1	Stick
44-G#1	Pedal Hi-Hat	Pedal Hi-Hat	Timpani G#	Pedal Hi-Hat	Square Click
45-A1	Low Tom	Low Tom	Timpani A	Low Tom	Metronome Click
46-Bb1	Open Hi-Hat	Open Hi-Hat	Timpani A#	Open Hi-Hat	Metronome Bell
47-B1	Low-mid Tom	Low-mid Tom	Timpani B	Low-mid Tom	Guitar Slide
48-C2	Hi-mid tom	Hi-mid tom	Timpani C	Hi-mid tom	Gtr Cut Noise 1 down
49-C#2	Crash Cymbal 1	Crash Cymbal 1	Timpani C#	Crash Cymbal 1	Gtr Cut Noise 2 up
50-D2	High Tom	High Tom	Timpani D	High Tom	Bass Slap
51-Eb2	Ride Cymbal 1	Ride Cymbal 1	Timpani D#	Ride Cymbal 1	Key Click
52-E2	Chinese Cymbal	Chinese Cymbal	Timpani E	Chinese Cymbal	Laughing
53-F2	Ride Bell	Ride Bell	Timpani F	Ride Bell	Screaming
54-F#2	Tambourine	Tambourine	Tambourine	Tambourine	Punch
55-G2	Splash Cymbal	Splash Cymbal	Splash Cymbal	Splash Cymbal	Heart Beat
56-G#2	Cowbell	Cowbell	Cowbell	Cowbell	Footstep 1
57-A2	Crash Cymbal 2	Crash Cymbal 2	Orche Crash Cymbal 2	Crash Cymbal 2	Footstep 2
58-Bb2	Vibra Slap	Vibra Slap	Vibra Slap	Vibra Slap	Applause
59-B2	Ride Cymbal 2	Ride Cymbal 2	Orche Cymbal	Ride Cymbal 2	Door Creaking
60-C3	Hi Bingo	Hi Bingo	Hi Bingo	Hi Bingo	Door Closing
61-C#3	Low Bongo	Low Bongo	Low Bongo	Low Bongo	Scratch
62-D3	Mute Conga	Mute Conga	Mute Conga	Mute Conga	Wind Chime
63-Eb3	Hi Congo	Hi Congo	Hi Congo	Hi Congo	Car Engine Start
64-E3	Low Conga	Low Conga	Low Conga	Low Conga	Car Break
65-F3	High Timbale	High Timbale	High Timbale	High Timbale	Car Pass
66-F#3	Low Timbale	Low Timbale	Low Timbale	Low Timbale	Car Crash
67-G3	High Agogo	High Agogo	High Agogo	High Agogo	Siren
68-G#3	Low Agogo	Low Agogo	Low Agogo	Low Agogo	Train
69-A3	Cabasa	Cabasa	Cabasa	Cabasa	Jet Take-off
70-Bb3	Maracas	Maracas	Maracas	Maracas	Helicopter
71-B3	Short Whistle	Short Whistle	Short Whistle	Short Whistle	Starship
72-C4	Long Whistle	Long Whistle	Long Whistle	Long Whistle	Gun Shot
73-C#4	Short Guiro	Short Guiro	Short Guiro	Short Guiro	Machine Gun
74-D4	Long Guiro	Long Guiro	Long Guiro	Long Guiro	Laser Gun
75-Eb4	Claves	Claves	Claves	Claves	Explosion
76-E4	Hi Wood Block	Hi Wood Block	Hi Wood Block	Hi Wood Block	Dog
77-F4	Low Wood Block	Low Wood Block	Low Wood Block	Low Wood Block	Horse Gallop
78-F#4	Mute Cuica	Mute Cuica	Mute Cuica	Mute Cuica	Birds
79-G4	Open Cuica	Open Cuica	Open Cuica	Open Cuica	Rain
80-G#4	Mute Triangle	Mute Triangle	Mute Triangle	Mute Triangle	Thunder
81-A4	Open Triangle	Open Triangle	Open Triangle	Open Triangle	Wind Chime
82-Bb4	Cabasa	Cabasa	Cabasa	Chi	Sea Shore
83-B4	Shaker	Shaker	Shaker	Da	Stream
84-C5	Belltree	Belltree	Belltree	Gong	Bubble
85-C#5	Castanets	Castanets	Castanets	Xiao cha 1	
86-D5	Mute Surdo	Mute Surdo	Mute Surdo	Dagu	
87-Eb5	Open Surdo	Open Surdo	Open Surdo	Xiao cha mute 1	

DRUM KIT LIST 3

KIT 9 COMPLEMENT	
NO	KEY SOUND
88-E5	Hey
89-F5	Pai gu Low
90-F#5	Xiao cha 2
91-G5	Pai gu Mid
92-G#5	Xiao cha mute 2
93-A5	Pai gu Hi
94-Bb5	Jing Luo mute
95-B5	Jing Luo
96-C6	Xiso Luo

♫**Please note**, for the drum kit lists 1 & 2, the NO refers to the MIDI number, and Key refers to the key on the keyboard.

The keys for A1 to D0 sound as Low Timpani, except for in Kit 10, the effects kit.

The keys from E5 to C7 sound the same as the D#0 to B1 keys, except for Kit 9, the Chinese kit.

A list of the sounds of E5 to C6 for Kit 9, the Chinese kit are listed below.

SPECIFICATIONS

SPECIFICATIONS

KEYBOARD

88-note, hammer-actioned keyboard

MAX. POLYPHONY

64 Note Polyphony

VOICES

128 GM (General MIDI Voices)
Plus 10 Asian Folk Instruments

VOICE MODE

Layer (dual) voice,
Lower (split) voice

VOICE EFFECTS:

Reverb
Chorus

SET-UP

Power On/Off
Main Volume Control Min-Max
Accomp Volume Control Min-Max

NUMERIC PAD: 12 keys

DISPLAY: 16-Character LCD

REGISTRATION MEMORY: 9

DEMONSTRATION: Ten Songs

RECORDING:

Four songs,
3-track recording

OVERALL CONTROL

Transpose
Tempo
Touch response: soft, normal hard, fixed, Voice split point
Accompaniment split point

AUTO BASS CHORD MODE

Single
Fingered
Piano
Manual Bass Chord (Off)

AUTO-ACCOMPANIMENT STYLE

100 Auto-accompaniment styles
Five quick select style buttons, 2 banks

ACCOMPANIMENT CONTROL

Synchronized start
Start/Stop
Introduction/Ending
Fill-In
Variation
Metronome
Auto harmony (four types)

PLAY ALONG SONGS: 50 Songs

FUNCTION

Reverb level
Chorus level
Touch Sensitivity
Split point for voice
Split point for auto accompaniment,
Master Tune
Drum kit selection
Harmony type selection

AUXILIARY JACKS

Headphone x 2
Line Out
Line In
USB Device Port
Power In
MIDI In/Out/Through

PEDALS

Sustain Pedal
Sostenuto Pedal
Soft Pedal

VOLTAGE: AC 120V

AMPLIFIER: 20W x 2

DIMENSIONS

54.25 x 20 x 33.3 inches
(1378mmx510mm x846mm)

WEIGHT: 154.3 lbs (70 Kg)

STANDARD ACCESSORIES

Music rest
Owners manual
Play Along Song Book

OPTIONAL ACCESSORIES

Padded Bench

WARRANTY INFORMATION

WARRANTY

This product, except the exterior cosmetic parts, is warranted to the original purchaser to be free from defects in material and workmanship under normal use as follows:

1. For a period of one year from the date of purchase, Virgin Musical Instrument Company (parent company of Artesia pianos) will pay the labor charges to repair the defective product. After this one year period, you must pay all labor charges.
2. In addition, Virgin Musical Instrument Company will supply, at no charge, new or rebuilt replacements for defective parts for a period of one year from the date of purchase.

In the event repairs are needed, the original purchaser should contact Virgin Musical Instruments (parent company of Artesia Pianos) at 888-998-9848. Virgin Musical Instrument Company will then repair the product or return it to the VMI distribution center for repairs. Upon completion of the repair, the unit will be returned to the music store freight prepaid.

This warranty will not apply to this product if it has been misused, abused, or altered. Without limiting the foregoing, bending, dropping of unit, or visible cracks and/or scratches are presumed to be defects resulting from misuse or abuse.

This warranty is void if the product has been opened.

Neither this warranty nor any other warranty expressed or implied, including implied warranties of merchantable, shall extend beyond the warranty period.

No responsibility is assumed for any incidental or consequential damages.

All other Countries Contact: Original retailer where product was purchased for additional warranty details.

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